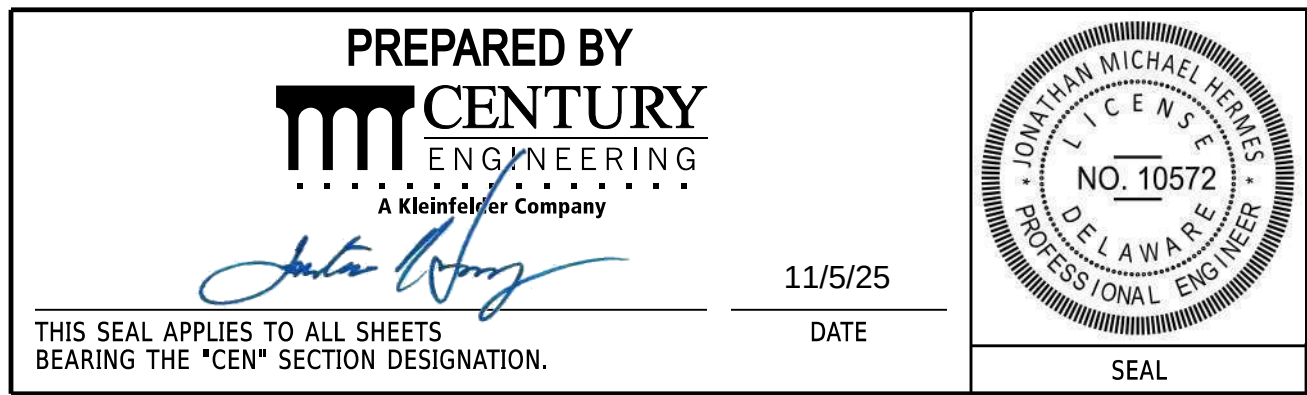




DOUBLE BRIDGES ROAD PATHWAY, MUDDY NECK TO NEPTUNE DRIVE

CONTRACT NUMBER: T201769009
FEDERAL AID PROJECT NUMBER: CMAQ-2020(38)
COUNTY: SUSSEX M.R. #: S363

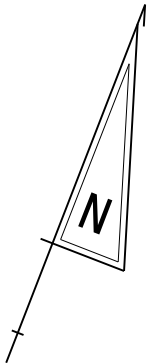


**END CONTRACT
DOUBLE BRIDGES ROAD PATHWAY
STATION 2109+61.62**

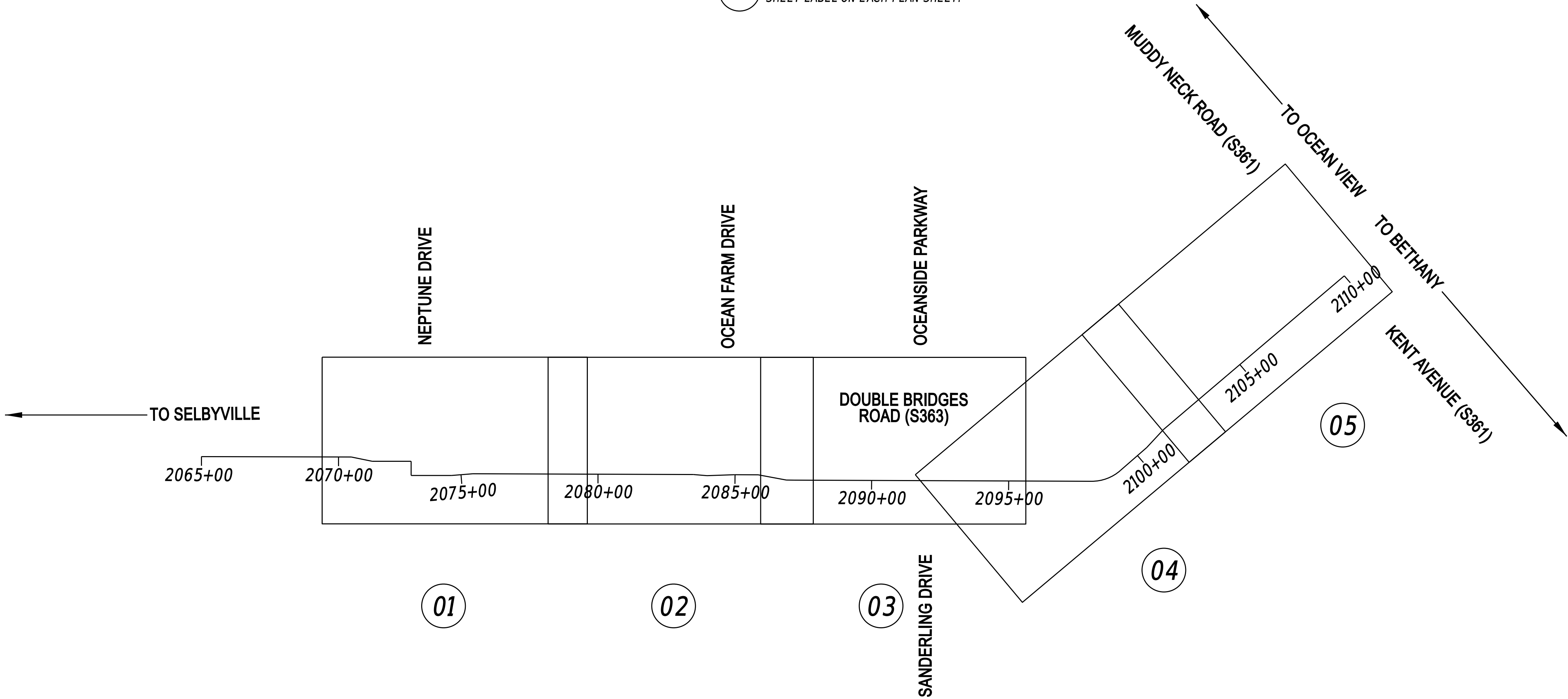
CONTRACT NO.	CONTRACT NAME
1607/1607A	RD. 363 (RD. 84 TO RD. 361)
1085	OCEAN VIEW TO BETHANY BEACH
78-063-01	1978 R.R.R. PROGRAM SOUTH DISTRICT
85-073-01	BRIDGE NO 453 ON RD. 361 OVER ASSAWOMAN CANAL
84-073-08	REPLACEMENT OF BR. NO. 455 ON ROAD 363

Jeff Niezgoda on behalf of Stephanie Johnson 3/19/2026
DIRECTOR OF PLANNING DATE

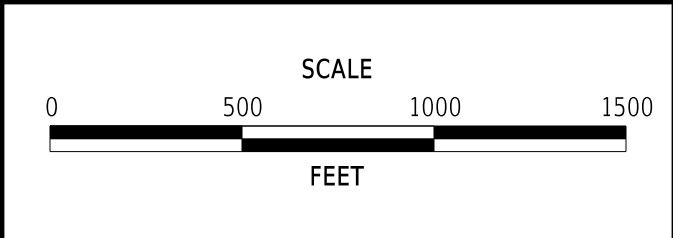
INDEX OF SHEETS		
SECTION	SHEET DESCRIPTION	SHEET NO(S)
CEN	TITLE	1
CEN	INDEX OF SHEETS	2
CEN	ADDENDA AND REVISIONS	3
CEN	LEGEND	4
CEN	NOTES	5
CEN	TYPICAL SECTIONS	6-7
CEN	HORIZONTAL AND VERTICAL CONTROL	8-9
CEN	CONSTRUCTION PLANS (CP)	10-14
CEN	PROFILES	15-17
CEN	GRADES AND GEOMETRICS (GG)	18-22
CEN	CONSTRUCTION DETAILS	23
CEN	BRIDGE PLANS	24-34
CEN	STORMWATER MANAGEMENT PLAN	35
CEN	ENVIRONMENTAL COMPLIANCE PLANS (EC)	36-37
CEN	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLANS	38-49
CEN	SIGNING, STRIPING, AND CONDUIT PLANS (SS)	50-56
CEN	SIGNAL PLANS	57-59
CEN	RIGHT-OF-WAY PLANS	60-65



XX CORRESPONDS TO THE CROSS REFERENCE SHEET LABEL ON EACH PLAN SHEET.



ADDENDA / REVISIONS	



DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

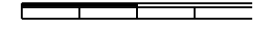
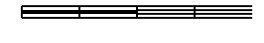
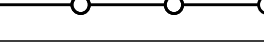
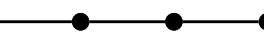
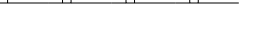
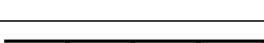
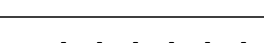
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SECTION	CEN
SHEET NO.	2

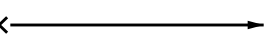
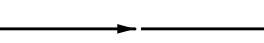
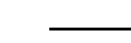
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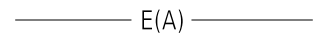
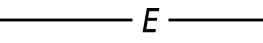
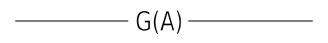
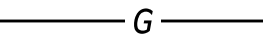
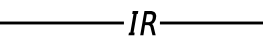
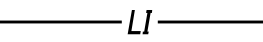
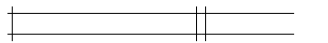
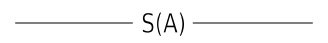
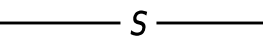
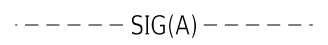
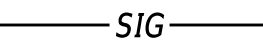
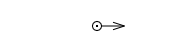
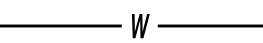
REVISION PREPARED BY				
THIS SEAL APPLIES TO THE FOLLOWING SHEETS CHANGED UNDER REVISION #X: XX, XX-XX, XX		DATE	SEAL	

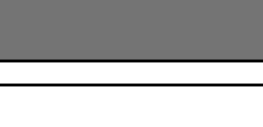
ADDENDA / REVISIONS		NOT TO SCALE	DOUBLE BRIDGES ROAD PATHWAY, MUDDY NECK TO NEPTUNE DRIVE	CONTRACT	BRIDGE NO.	N/A	ADDENDA & REVISIONS	SECTION
				T201769009				CEN
				COUNTY	DESIGNED BY: T. BANEZ			SHEET NO.
				SUSSEX	CHECKED BY: J. HERMES			3

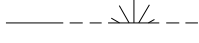
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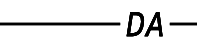
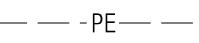
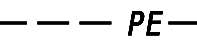
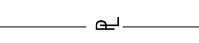
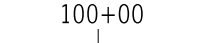
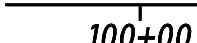
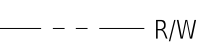
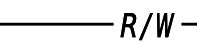
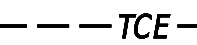
MANMADE ROADSIDE FEATURES			
FEATURE DESCRIPTION	EXISTING	PROPOSED	ID
BOLLARD - STEEL POLE			
BOLLARD - WOOD POST			
CURB, TYPE 1 AND TYPE 3	CURB, TYPE "X"		
CURB, TYPE 2			
CURB & GUTTER, TYPE 1			
CURB & GUTTER, TYPE 2	C&G, TYPE "X"		
CURB & GUTTER, TYPE 3			
CURB OPENING - SUMP / ON GRADE			
CURB OPENING WITH SIDEWALK			
FENCE - CHAINLINK OR STRANDED			
FENCE - STOCKADE OR SPLIT RAIL			
FLAG POLE	F.P. 		
GUARDRAIL - STEEL BEAM, TYPE 1			
GUARDRAIL - STEEL BEAM, TYPE 2			
GUARDRAIL - STEEL BEAM, TYPE 3			
GUARDRAIL - WIRE ROPE			
GUARDRAIL - END ANCHORAGE			
GUARDRAIL - END TREATMENT, TYPE 1			
GUARDRAIL - END TREATMENT, TYPE 2			
GUARDRAIL - END TREATMENT, TYPE 3			
GUARDRAIL - IMPACT ATTENUATOR			
LAMP AND POST - RESIDENTIAL	LAMP 		
MAILBOX	MB 	MB 	
PARKING METER AND POST	P.M. 		
PAVEMENT - FLEXIBLE			
PAVEMENT - RIGID			
PILE - BRIDGE			
PILLAR OR MISCELLANEOUS POST			
TRAFFIC SIGN AND POST			
WALL - BRICK OR BLOCK			
WALL - STONE			

DRAINAGE FEATURES			
FEATURE DESCRIPTION	EXISTING	PROPOSED	ID
BIOFILTRATION SWALE			
DITCH OR STREAM CENTERLINE			
DIRECTIONAL STREAM FLOW ARROW			
DRAINAGE INLET	C.B.  / D.I. 		
DRAINAGE JUNCTION BOX	J.B. 		
DRAINAGE MANHOLE			
DRAINAGE PIPE AND FLOW ARROW	SIZE/TYPE LABEL 		
FLARED END SECTION			
RIPRAP - AREA FEATURE			
RIPRAP - LINEAR FEATURE			
SAFETY END SECTION			
UNDERDRAIN			
UNDERDRAIN OUTLET			

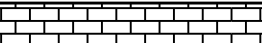
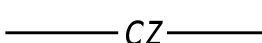
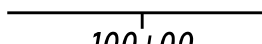
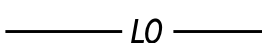
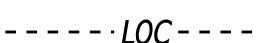
UTILITY FEATURES		
FEATURE DESCRIPTION	EXISTING	PROPOSED
CABLE TV DISTRIBUTION BOX		
COMMUNICATIONS - UNDERGROUND	COMM(A) 	COMM 
ELECTRIC - UNDERGROUND	E(A) 	E 
ELECTRIC MANHOLE		
ELECTRIC METER	EM 	
ELECTRIC TRANSFORMER	E 	
GAS - UNDERGROUND	G(A) 	G 
GAS MANHOLE		
GAS METER	G.M. 	
GAS VALVE	G.V. 	
GAS PUMP - SERVICE STATION	G.P. 	
IRRIGATION - UNDERGROUND	IR(A) 	IR 
ITMS - UNDERGROUND	ITMS(A) 	ITMS 
LIGHTING - UNDERGROUND	LI(A) 	LI 
LUMINAIRE - POLE MOUNTED		
MANHOLE - UNDETERMINED OWNER		
RAILROAD TRACKS		
SANITARY - UNDERGROUND	S(A) 	S 
SANITARY SEWER MANHOLE		
SANITARY SEWER VALVE	S.V. 	
SANITARY SEWER CLEANOUT OR VENT	S.C.O. 	
SEPTIC DRAIN FIELD	S.D.F. 	
SIGNALIZATION - UNDERGROUND	SIG(A) 	SIG 
SOIL BORING LOCATION		
TELEPHONE BOOTH	B 	
TELEPHONE MANHOLE		
TELEPHONE TEST POINT	T 	
TRAFFIC - CONDUIT JUNCTION WELL	J.W. 	
TRAFFIC - LIGHT POLE AND BASE		
TRAFFIC - PEDESTRIAN POLE & BASE		
TRAFFIC - SIGNAL CABINET & BASE		
TRAFFIC - SIGNAL POLE AND BASE		
UTILITY BOX	U 	
UTILITY MARKER	UM 	
UTILITY POLE GUY WIRE ANCHOR		
UTILITY POLE		
UTILITY TEST HOLE LOCATION		
WATER - UNDERGROUND	W(A) 	W 
WATER - FIRE HYDRANT	F.H. 	F.H. 
WATER METER	W.M. 	
WATER VALVE	W.V. 	W.V. 
WELL HEAD	WELL 	

PAVEMENT SECTION(S)	
OVERLAY PAVEMENT - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS	
RECONSTRUCTED PAVEMENT - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS	
DRIVEWAY AND ENTRANCE PAVEMENT - SEE NOTES FOR MATERIALS AND DEPTHS	

NATURAL ROADSIDE FEATURES		
FEATURE DESCRIPTION	EXISTING	PROPOSED
HEDGEROW OR THICKET		
MARSH BOUNDARY LINE		
TREE - CONIFEROUS		
TREE - DECIDUOUS		
TREE STUMP		
SHRUBBERY		
WETLAND BOUNDARY - DELINEATED	WL 	
WOODS LINE BOUNDARY		

RIGHT-OF-WAY FEATURES		
FEATURE DESCRIPTION	EXISTING	PROPOSED
DENIAL OF ACCESS	DA 	DA 
EASEMENT - OTHERS	EASEMENT TYPE 	
PERMANENT EASEMENT	PE 	PE 
PROPERTY LINE		
PROPERTY MARKER - CONCRETE	C.M. 	
PROPERTY MARKER - IRON PIPE	I.P. 	
RIGHT-OF-WAY BASELINE	100+00 	100+00 
RIGHT-OF-WAY LINE	R/W 	R/W 
RIGHT-OF-WAY BY PE	R/W-PE 	
RIGHT-OF-WAY & DENIAL OF ACCESS	R/W-DA 	R/W-DA 
RIGHT-TO-ENTER		RTE 
TEMPORARY CONSTRUCTION EASEMENT		TCE 

SURVEY CONTROL & MONUMENTATION	
FEATURE DESCRIPTION	EXISTING
POINT OF CURVATURE OR TANGENCY	
POINT OF INTERSECTING TANGENTS	
SURVEY BENCHMARK LOCATION	B.M. 
SURVEY NGS POINT LOCATION	
SURVEY TIE POINT LOCATION	T.P. 
SURVEY TRAVERSE POINT	

MISCELLANEOUS FEATURES	
FEATURE DESCRIPTION	PROPOSED
BARRIER, DOUBLE-FACED, PERMANENT	
BARRIER, SINGLE-FACED, PERMANENT, TEST LEVEL 4 / TEST LEVEL 5	
BRICK PATTERNED SURFACE	
BUTT JOINT	
CLEAR ZONE	CZ 
CONSTRUCTION BASELINE	100+00 
LATERAL OFFSET	LO 
LIMIT OF CONSTRUCTION	LOC 
PAVEMENT PATCH	
PAVEMENT REMOVAL - TOPSOIL, SEED AND MULCH	
P.C.C. SIDEWALK - 4"	
P.C.C. SIDEWALK - 6" (USE 8" DEPTH FOR CHANNELIZATION ISLANDS.)	

IDENTIFIERS	
FEATURE DESCRIPTION	ID
ABANDON BY CONTRACTOR	AB 
ABANDON BY OTHERS	AB 
ADJUST BY CONTRACTOR	A 
ADJUST BY OTHERS	A 
BEST MANAGEMENT PRACTICE	BMP 
BUS STOP PAD / TYPE	BSP 
BUS STOP WITH SHELTER PAD / TYPE	BSSP 
CONCRETE SAFETY BARRIER	B 
CONVERT TO JUNCTION BOX	CJB 
CONVERT TO DRAINAGE MANHOLE	CDM 
DO NOT DISTURB	DND 
ENERGY DISSIPATOR	ED 
FILL WITH FLOWABLE FILL	FF 
LANDSCAPE PLANTINGS	LS 
PEDESTRIAN CONNECTION / TYPE	PC 
PEDESTRIAN CONNECTION / TYPE WITHOUT DETECTABLE WARNING SYSTEM	PC-N 
RELOCATE BY CONTRACTOR	RL 
RELOCATE BY OTHERS	RL 
RELOCATE BY PROPERTY OWNER	RL 
REMOVE BY CONTRACTOR	RM 
REMOVE BY OTHERS	RM 
REMOVE BY TRAFFIC CONTRACTOR	RM 
RIGHT-OF-WAY MONUMENT	R 

ADDENDA / REVISIONS	

NOT TO SCALE

DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

CONTRACT	BRIDGE NO.	N/A		SECTION
T201769009	DESIGNED BY:	T. BANEZ		CEN
COUNTY	CHECKED BY:	J. HERMES		SHEET NO.
SUSSEX				4

GENERAL NOTES

1. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS", REVISION NO. 1, DATED JANUARY 2026 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD CONSTRUCTION DETAILS", DATED 2026.
2. ELECTRONIC DESIGN DATA FILES THAT WILL BE MADE AVAILABLE TO THE BIDDERS INCLUDE:

()	NONE
(X)	ASCII DATA FILES WITH COORDINATES AND ELEVATIONS FOR PROPOSED POINTS AS SELECTED BY THE ENGINEER.
(X)	DESIGN FILE, IN .DGN FILE FORMAT, THAT CONTAINS 3D TRIANGLES REPRESENTING THE EXISTING SURFACE.
()	DESIGN FILE, IN .DGN FILE FORMAT, THAT CONTAINS 3D FEATURE LINES FOR THE PROPOSED DESIGN. 3D FEATURE LINES ARE FOR THE PROPOSED TOP SURFACE ELEVATION ONLY.

NOTE: THE DOCUMENT ENTITLED "ELECTRONIC FILE SHARING RELEASE" MUST BE SIGNED BY ALL PARTIES PRIOR TO THE DELIVERY OF ANY ELECTRONIC PROJECT FILES.

NOTE: THERE MAY BE SOME AREAS OF THE PROJECT NOT INCLUDED IN THE ELECTRONIC DESIGN DATA FILE(S). IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE DESIGN DATA FILE AND DETERMINE THE LIMITS OF THE PROJECT INCLUDED.

3. PROJECT FILES THAT WILL BE MADE AVAILABLE TO THE CONTRACTOR, INCLUDE:

()	CROSS SECTIONS
(X)	RIGHT-OF-WAY PLANS

PROJECT NOTES

SECTION 100

1. ANY DAMAGE TO ITEMS NOTED TO BE RELOCATED OR RESET BY THE CONTRACTOR, AT THE DISCRETION OF THE ENGINEER, SHALL BE REPAIRED AND/OR REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.
2. THE CONTRACTOR WILL CONTACT THE DELAWARE TMC AT 302-659-4600 PRIOR TO ANY UNMANNED AERIAL VEHICLE (UAV) FLIGHTS. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE THE FOLLOWING INFORMATION: THE REGISTRATION NUMBER OF THE UAV, THE FLIGHT TIME, LOCATION OF THE FLIGHT, THE PILOT'S NAME AND THE PILOT'S CONTACT NUMBER DURING THE FLIGHT.

SECTION 200

3. THE CONTRACTOR SHALL REMOVE AND RESET ALL MAILBOXES TO MAINTAIN MAIL SERVICE AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL RELOCATE MAILBOXES AS REQUIRED BY THE PROPOSED GEOMETRICS AND AS DIRECTED BY THE ENGINEER. WHEN RELOCATING MAILBOXES IN OPEN SECTIONS, THE FACE OF THE MAILBOX SHALL BE SET BACK 8 INCHES FROM THE EDGE OF THE PAVED SHOULDER. THE BOTTOM OF THE MAILBOX SHALL BE POSITIONED IN ACCORDANCE WITH THE LATEST VERSION OF THE UNITED STATES POSTAL SERVICE GUIDELINES. MAILBOXES LOCATED AT DRIVEWAY ENTRANCES SHALL BE PLACED ON THE FAR SIDE OF THE DRIVEWAY IN THE DIRECTION OF TRAVEL. POSTS BEING RESET IN CONCRETE SIDEWALK SHALL BE IN AN APPROPRIATE SIZE PVC SLEEVE. ACCEPTABLE POST SHALL BE 4 INCH X 4 INCH WOOD POST OR 4 INCH DIAMETER WOOD POST. ALL MAILBOXES SHALL BE SET NOT TO IMPEDE THE MINIMUM PAR (PEDESTRIAN ACCESS ROUTE) WIDTH AS DETERMINED BY THE CURRENT EDITION OF THE PEDESTRIAN ACCESSIBILITY STANDARDS FOR FACILITIES IN THE PUBLIC RIGHT OF WAY. IF MAILBOXES ARE NOT SET IN ACCORDANCE WITH THE ABOVE DIRECTIONS, RESETTING OF THE MAILBOXES WILL BE AT THE COST OF THE CONTRACTOR. COST FOR ALL WORK AND MATERIALS SHALL BE PAID UNDER ITEM 201000 - CLEARING AND GRUBBING.
4. ITEMS TO BE REMOVED UNDER ITEM 211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:

a. FENCES & SIGNS, INCLUDING FOOTERS AND ASSOCIATED APPERTENANCES

b. BOLLARDS & POSTS

c. RIPRAP

d. PVC AND CONCRETE PIPE

e. UNDERDRAINS

f. ABANDONED CONDUITS AND UTILITIES

g. GUARDRAIL
5. ALL PATCHING EXCAVATION SHALL BE PAID FOR UNDER ITEM 202000 - EXCAVATION AND EMBANKMENT.
6. ONLY EXISTING FEATURES WITHIN THE LOC IDENTIFIED WITH ADJUST BY CONTRACTOR OR REMOVE BY CONTRACTOR OR BY OTHER METHODS ARE TO BE REMOVED OR DISTURBED.
7. ALL TREES WITHIN THE LOC ARE TO REMAIN UNLESS NOTED TO BE REMOVED BY CONTRACTOR. IN AREAS WHERE TREES OR SHRUBS WILL BE OVERHANGING THE PROPOSED PATHWAY, PRUNING MAY BE NECESSARY TO ACHIEVE A VERTICAL CLEAR SPACE OF 10 FEET ABOVE THE PROPOSED PATH ELEVATION AND A 2 FOOT HORIZONTAL CLEARANCE ON EITHER SIDE OF THE PATHWAY EDGE, EXCEPT FOR FROM STA. 2098+00.00 TO STA. 2100+00.00. SEE CONSTRUCTION DETAIL FOR CLEARING AND GRUBBING LIMITS BETWEEN THOSE STATIONS. THE CONTRACTOR SHALL PRUNE EXISTING TREE AND SHRUB BRANCHES WHICH OVERHANG THE PATHWAY IN ACCORDANCE WITH ANSI A300 STANDARDS. THE CONTRACTOR SHALL NOTIFY DELDOT'S ROADSIDE ENVIRONMENTALIST ADMINISTRATOR AND/OR HIS DESIGNEE AT LEAST FIVE (5) BUSINESS DAYS PRIOR TO THE PRUNING OPERATION. THE CONTRACTOR SHALL ALSO REMOVE ALL DEAD TREES AND LIMBS OVERHANGING THE PATHWAY WITHIN THE PROJECT LIMITS, AS DIRECTED BY THE ENGINEER IN THE FIELD. ALL COSTS ASSOCIATED WITH THE ABOVE WORK TO BE PAID UNDER UNDER ITEM 201000 - CLEARING AND GRUBBING.
8. ALL EXISTING INLETS AND PIPES WITHIN THE PROJECT LIMITS TO REMAIN SHALL BE CLEANED OUT AS REQUIRED. THE COST OF CLEANING OUT THE EXISTING PIPES AND INLETS TO REMAIN SHALL BE PAID AS L.F. UNDER ITEM 601000 - CLEANING DRAINAGE PIPE, 15"-24".

SECTION 600

9. STATION AND ELEVATION DATA GIVEN FOR DRAINAGE STRUCTURES ARE TO BE APPLIED TO THE CENTER OF THE GRATE FOR INLETS AND TO THE CENTER OF THE STRUCTURE FOR JUNCTION BOXES AND MANHOLES.
10. REPAIR EXISTING DRAINAGE INLETS AS DIRECTED BY THE ENGINEER IN THE FIELD. ALL COSTS FOR REPAIRS INCLUDING CONNECTIONS TO EXISTING AND PROPOSED PIPES, RELOCATION OF STEPS, AND ANY NECESSARY DEWATERING ARE INCIDENTAL TO ITEM 602130. DRAINAGE INLET FRAMES AND GRATES SHALL BE REPLACED UNLESS OTHERWISE DESIGNATED ON THE PLANS. INLET GRATE REPLACEMENT IS INCIDENTAL TO ITEM 602100 AND INLET FRAME REPLACEMENT IS INCIDENTAL TO ITEM 602101.

SECTION 700

11. USE ITEM 705002 - PCC SIDEWALK, 6" FOR PEDESTRIAN CONNECTIONS EXCLUDING PEDESTRIAN CONNECTIONS IN SPLITTER ISLANDS. USE ITEM 705005 - PCC SIDEWALK, 8" IN SPLITTER ISLAND PEDESTRIAN CONNECTIONS.
12. ALL PAVED AREAS TO BE RECONSTRUCTED OR WIDENED SHALL BE SAWCUT AT THE POINT WHERE THE NEW PAVEMENT IS TO TIE INTO THE EXISTING PAVEMENT.
13. IN AREAS WHERE PROPOSED CURB MEETS EXISTING CURB AND THE TWO CURB TYPES ARE NOT SIMILAR, THE PROPOSED CURB SHALL BE TRANSITIONED IN 10 LINEAR FEET, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE TRANSITIONED CURB WORK SHALL BE MEASURED AND PAID FOR UNDER THE PROPOSED CURB ITEM. SAW CUTTING OF THE EXISTING CURB SHALL BE INCIDENTAL TO THE PROPOSED CURB ITEM.
14. SUSSEX COUNTY SEWER MANHOLES SHALL BE ADJUSTED PER ITEM 711500 - ADJUST AND REPAIR EXISTING SANITARY MANHOLE. MANHOLES WITH CONCRETE COLLARS SHALL HAVE THE COLLAR REMOVED AND REPLACED BEFORE ADJUSTING. COSTS ARE INCIDENTAL TO ITEM 711500, ADJUST AND REPAIR EXISTING SANITARY MANHOLE.
15. SAWCUT JUST INSIDE THE EDGE OF THE EXISTING ROADWAY FOR DRIVEWAY TIE-INS TO GET A CLEAN TIE-IN.
16. VERTICAL ADJUSTMENT OF SEWER VALVES, WATER METER BOXES, AND IRRIGATION HEADS SHALL BE PAID FOR UNDER ITEM 710002 - ADJUST WATER VALVE BOXES.
17. THE CONTRACTOR SHALL INSTALL EDGELINE RUMBLE STRIPS WITHIN THE LIMITS OF THE MILL AND OVERLAY OF DOUBLE BRIDGES ROAD PER STANDARD CONSTRUCTION DETAILS. PAYMENT IS UNDER ITEM 760006 - RUMBLE STRIPS, BITUMINOUS PAVEMENT. DO NOT PLACE RUMBLE STRIPS AT ENTRANCES OR DRIVEWAYS.
18. THE LOCATIONS OF ALL ABOVE GROUND ITEMS TO BE INSTALLED, SUCH AS SIGNS, ETC., SHALL BE STAKED BY THE CONTRACTOR AND VERIFIED BY THE ENGINEER PRIOR TO INSTALLATION. ALL COSTS INCIDENTAL TO ITEM 763501 - CONSTRUCTION ENGINEERING.
19. THE CONTRACTOR SHALL STAKE THE RIGHT-OF-WAY AND EASEMENT LINES AND HAVE THEM VERIFIED BY THE ENGINEER PRIOR TO PERFORMING ANY WORK. THE RIGHT-OF-WAY AND EASEMENT LINES MUST REMAIN STAKED FOR THE DURATION OF THE WORK. ALL COSTS SHALL BE INCIDENTAL TO ITEM 763501 - CONSTRUCTION ENGINEERING

SECTION 900

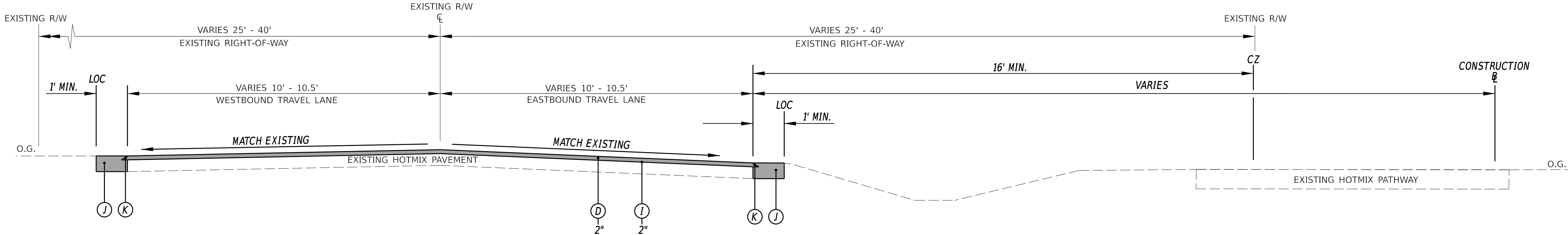
20. THIS PROJECT IS COVERED UNDER AN NPDES GENERAL PERMIT FOR CONSTRUCTION. UNDER THE GENERAL PERMIT, COMPLIANCE WITH DELDOT'S APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLANS WILL CONSTITUTE COMPLIANCE WITH THE NPDES INDUSTRIAL PERMITTING REQUIREMENTS FOR THIS CONSTRUCTION PROJECT. A COPY OF THE NPDES GENERAL PERMIT AND NOI IS KEPT ON FILE IN EACH OF THE CONSTRUCTION OFFICES AND THE DEPARTMENT'S STORMWATER SECTION. A COPY OF THE GENERAL PERMIT OR THE NOI CAN BE OBTAINED UPON REQUEST FROM EITHER THE DEPARTMENT'S STORMWATER ENGINEER OR THE APPROPRIATE CONSTRUCTION ENGINEER.

MISCELLANEOUS NOTES

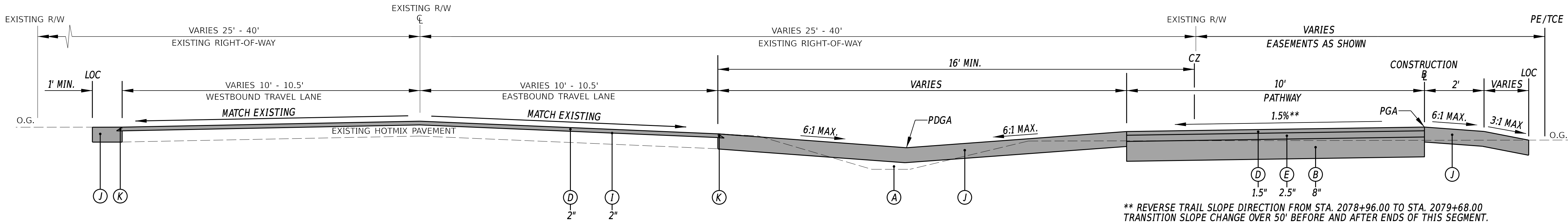
21. REFER TO TYPICAL SECTION NOTES FOR THE LOCATION OF THE LATERAL OFFSET.
22. THE CONTRACTOR SHALL NOTIFY DART FIRST STATE AT DOT_DETOURS@DELAWARE.GOV AT LEAST 14 CALENDAR DAYS PRIOR TO THE START OF ANY DETOURS OR CONSTRUCTION. AND DOT_DTC_PROJECTDEVELOPMENT@DELAWARE.GOV AT SUCH TIME THE FACILITY IS COMPLETED AND OPERABLE FOR TRANSIT OPERATIONS. FOR EMERGENCY DETOUR INFORMATION ONLY, PLEASE CONTACT DTC'S CHIEF SCHEDULER AT 302-576-6019.
23. PROPOSED GRADES THAT APPEAR ON THE PROFILES ARE TO BE APPLIED AT THE CONSTRUCTION BASELINE. PROPOSED GRADES THAT APPEAR ON THE GRADES AND GEOMETRICS SHEETS AT THE TOE OF CURB ARE TO BE APPLIED TO THE INTERFACE BETWEEN THE ROADWAY OVERLAY AND PROPOSED CURB. PROPOSED GRADES THAT APPEAR ON THE GRADES AND GEOMETRICS SHEETS THROUGH CROSSWALKS, DRIVEWAYS, AND ENTRANCES ARE TO DEMONSTRATE THAT THE CROSS SLOPE OF THE PAR DOES NOT EXCEED 2%.
24. ROADWAY PATCHES FOR CURBS SHALL BE SAWCUT 2' FROM THE TOE OF CURB. ROADWAY PATCHES FOR INLETS SHALL BE SAWCUT 2' FROM THE OUTSIDE EDGE OF EACH INLET. ROADWAY PATCHES FOR PIPES SHALL BE SAWCUT 2.5' FROM THE OUTSIDE EDGE OF EACH PIPE.
25. PERFORM CRACK AND JOINT SEALING LESS THAN ¾ INCHES WIDE WHERE THE MILL AND OVERLAY OPERATION STARTS AND STOPS AND AT ANY PATCHING AREAS THAT WILL HAVE A SEAM BETWEEN THE NEW PATCHING PAVEMENT AND EXISTING ROAD SURFACE. COST IS INCIDENTAL TO ITEM 504001, CRACK AND JOINT SEALING LESS THAN ¾ INCH WIDE.
26. THE LOCATIONS OF ALL ABOVE GROUND ITEMS TO BE INSTALLED SUCH AS SIGNS, FENCES, ETC., SHALL BE STAKED BY THE CONTRACTOR AND VERIFIED BY THE CONTRACTOR PRIOR TO INSTALLATION. ALL COST INCIDENTAL TO ITEM 763501 - CONSTRUCTION ENGINEERING.
27. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL RESIDENCES AND BUSINESSES DURING CONSTRUCTION ACTIVITIES, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. ALL COSTS INCIDENTAL TO THE CONTRACT.
28. DOUBLE BRIDGES ROAD WITHIN THE PROJECT LIMITS WAS RECENTLY MILLED AND OVERLAYED POST DEVELOPMENT OF THE PLAN GRADING. THE CONTRACTOR SHALL FIELD VERIFY ALL SHOWN EXISTING GRADES AT TIE-IN POINTS ALONG DOUBLE BRIDGES ROAD. ANY FOUND GRADING VARIANCE SHALL BE SUBMITTED TO THE DESIGNER OF RECORD FOR EVALUATION AND ADJUSTMENT IF REQUIRED. THE FIELD VERIFICATION OF THESE GRADES SHALL BE INCIDENTAL TO ITEM 763501 - CONSTRUCTION ENGINEERING.

ADDENDA / REVISIONS		NOT TO SCALE	DOUBLE BRIDGES ROAD PATHWAY, MUDDY NECK TO NEPTUNE DRIVE

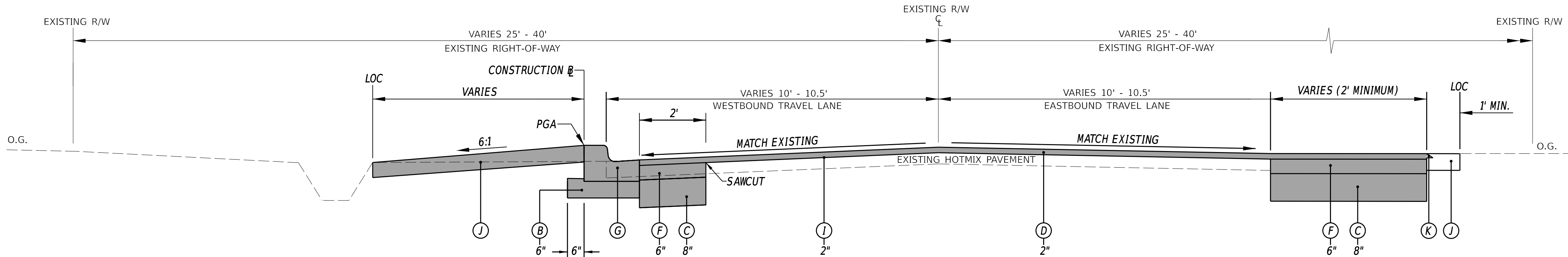
CONTRACT	BRIDGE NO.	N/A	NOTES	SECTION
T201769009	DESIGNED BY: T. BANEZ			CEN
COUNTY				SHEET NO.
SUSSEX	CHECKED BY: J. HERMES			5



DOUBLE BRIDGES ROAD PATHWAY TYPICAL SECTION
STA. 2087+17.74 TO STA. 2097+32.27



DOUBLE BRIDGES ROAD PATHWAY TYPICAL SECTION
STA. 2073+18.23 TO STA. 2087+17.73



DOUBLE BRIDGES ROAD PATHWAY TYPICAL SECTION
STA. 2070+65.00 TO STA. 2072+66.53

LEGEND

- (A) ITEM 209002 - BORROW, TYPE B
- (B) ITEM 301001 - GABC
- (C) ITEM 301002 - GABC, PATCHING
- (D) ITEM 401005 - SUPERPAVE TYPE C, 9.5 MM, PG 64-22 (CARBONATE STONE)
- (E) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (F) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (G) ITEM 701022 - I.P.C.C. CURB & GUTTER, TYPE 3-6
- (H) ITEM 708002 - GEOTEXTILES, SEPARATION
- (I) ITEM 760010 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT
- (J) ITEM 908004 - TOPSOIL, 6" DEPTH
ITEM 908016 - PERMANENT GRASS SEEDING SUBDIVISION
ITEM 908020 - EROSION CONTROL BLANKET MULCH
- (K) SAFETY EDGE - INCIDENTAL TO ITEM 401005

PAVEMENT MATERIAL LIFT THICKNESS

MATERIAL	BINDER GRADE	MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5"	1"
TYPE C (9.5 MM MIX)	ALL	1.25"	2"
TYPE C (12.5 MM MIX)	ALL	1.5"	2"
TYPE B (19 MM MIX)	76-22, 70-22	2.25"	4"
TYPE B (19 MM MIX)	64-22	2.25"	6"
TYPE BCBC (25 MM MIX)	64-22	3"	6"
GABC	N/A	4"	8"

NOTES

- BORROW, TYPE B SHALL BE PLACED IN SUCCESSIVE LAYERS NOT TO EXCEED 8" IN DEPTH, LOOSE MEASUREMENT, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- SEE GRADES AND GEOMETRICS SHEETS FOR FURTHER DETAILS.
- LATERAL OFFSET IS MEASURED TO THE POINT 1.5' BEHIND THE FACE OF CURB.
- TIE-IN SLOPES SHALL TRANSITION AT 6:1 FOR THE FIRST 2' AND THEN AT 3:1 TO O.G. SLOPES MAY GRADE DOWN OR UP, DEPENDING ON EXISTING TERRAIN. HOWEVER, BOTH SLOPES MUST GRADE IN THE SAME DIRECTION. THEY ARE SHOWN SLOPING DOWNWARD ON THIS SHEET FOR CLARITY.
- WHERE THE PROPOSED PATHWAY WILL GO THROUGH OR BE ADJACENT TO EXISTING WETLANDS, THE CONTRACTOR WILL FIRST PLACE 8" BORROW, TYPE B. THE CONTRACTOR SHALL THEN PLACE GEOTEXTILE, SEPARATION BEFORE PLACING THE GABC. THEN PLACE THE GABC. THE CONTRACTOR SHALL PLACE GEOTEXTILE, SEPARATION ON THE BOTTOM AND SIDES OF THE GABC, AND 1' BEYOND THE EDGES OF THE GABC AT THE TOP OF THE CURB.

ABBREVIATIONS

PR - POINT OF ROTATION
PDGA - PROFILE DITCH GRADE APPLICATION
PGA - PROFILE GRADE APPLICATION

ADDENDA / REVISIONS

NOT TO SCALE

DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

CONTRACT

T201769009

COUNTY

SUSSEX

BRIDGE NO.

N/A

DESIGNED BY:

T. BANEZ

CHECKED BY:

J. HERMES

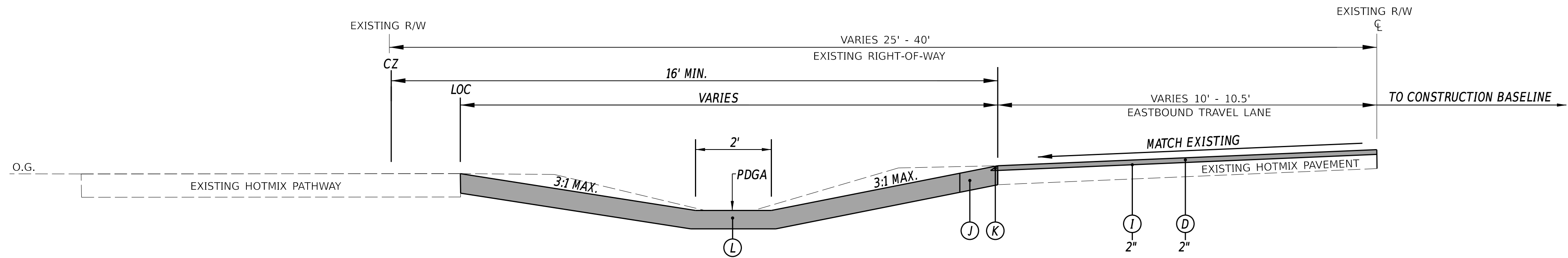
TYPICAL SECTIONS

SECTION

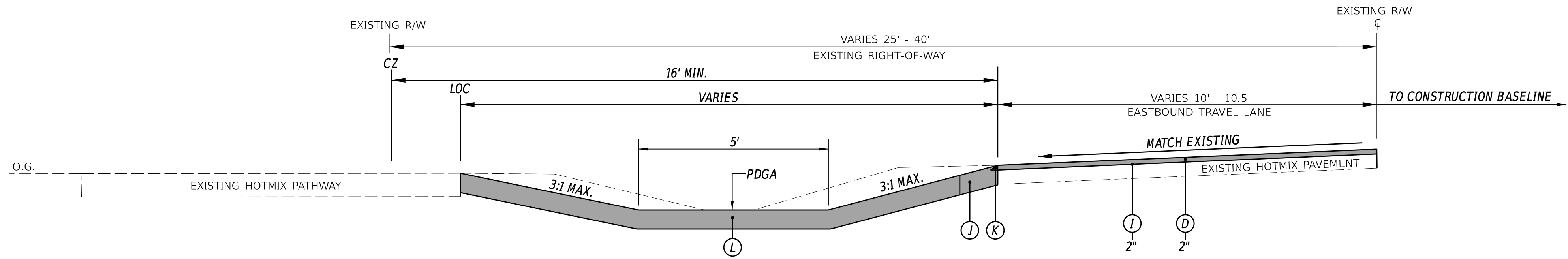
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SHEET NO.

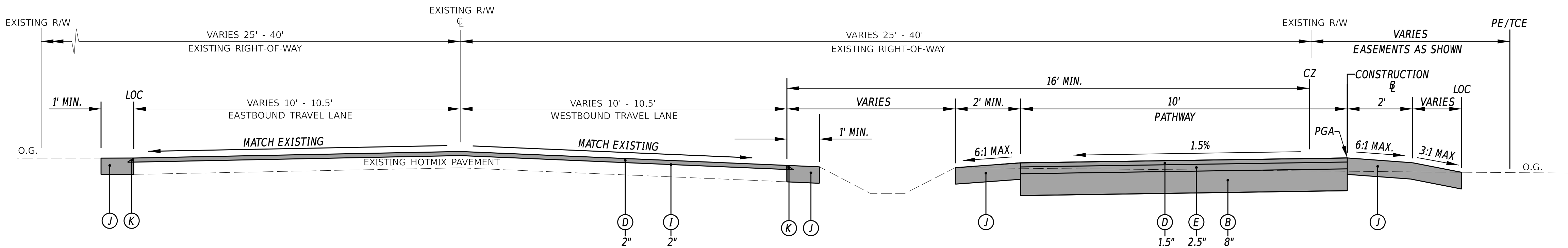
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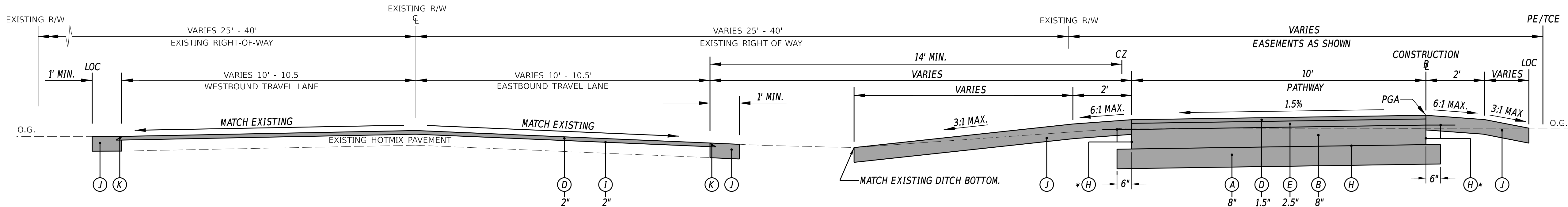
DOUBLE BRIDGES ROAD PATHWAY VEGETATED CHANNEL SECTION
STA. 2104+34.78 TO STA. 2105+34.78



DOUBLE BRIDGES ROAD PATHWAY BIOSWALE SECTION
STA. 2102+74.78 TO STA. 2104+34.78



DOUBLE BRIDGES ROAD PATHWAY TYPICAL SECTION
STA. 2100+35.79 TO STA. 2105+58.93



DOUBLE BRIDGES ROAD PATHWAY TYPICAL SECTION
STA. 2097+32.00 TO STA. 2099+46.66

* NOTE: EXTEND TOP LAYER OF GEOTEXTILE SEPARATION BY 1' ON BOTH SIDES OF THE GABC COURSE.

LEGEND

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ADDENDA / REVISIONS

NOT TO SCALE

DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

CONTRACT

T201769009

COUNTY

SUSSEX

BRIDGE NO.

N/A

DESIGNED BY: T. BANEZ

CHECKED BY: J. HERMES

TYPICAL SECTIONS

SECTION

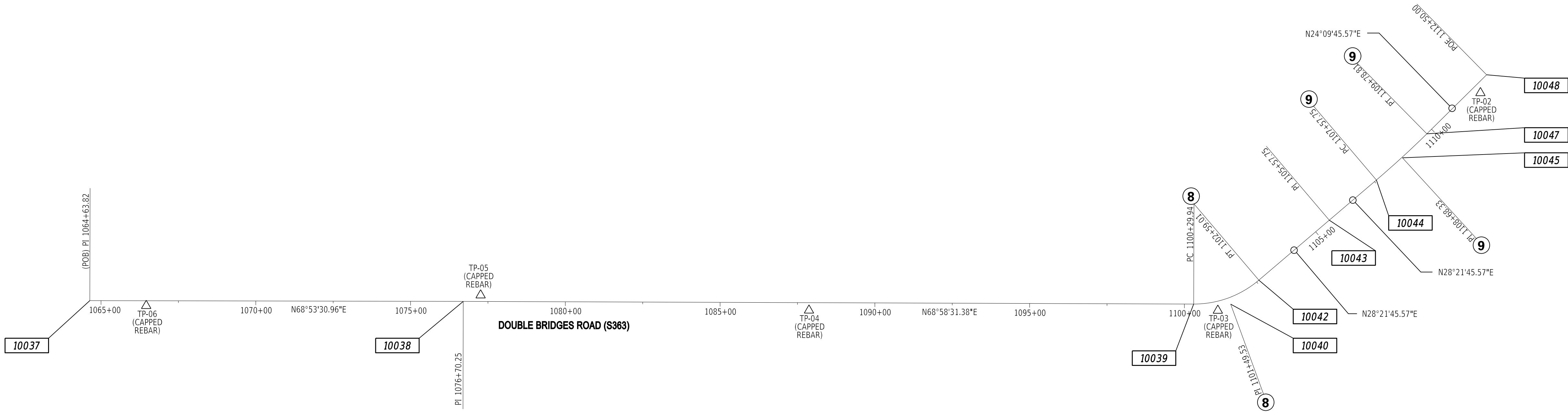
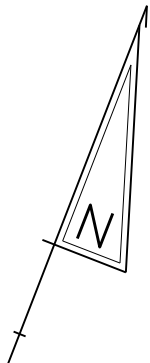
CEN

SHEET NO.

7

HORIZONTAL / VERTICAL CONTROL DATA					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
TP-02	1111+94.58	27.75	190547.1604	755249.7988	12.60
TP-03	1101+02.21	29.36	189585.2881	754713.3673	6.66
TP-04	1087+87.30	24.81	189107.4705	753481.9946	8.32
TP-05	1077+26.31	-20.27	188768.9063	752475.4701	9.53
TP-06	1066+46.04	16.30	188345.8176	751480.7918	10.04

RIGHT OF WAY ALIGNMENT CONTROL				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
10037	1064+63.82	0.00	188295.3950	751304.9184
10038	1076+70.25	0.00	188729.8637	752430.3987
10043	1105+57.75	0.00	189987.4612	754943.3495
10048	1112+50.00	0.00	190609.0787	755247.1596

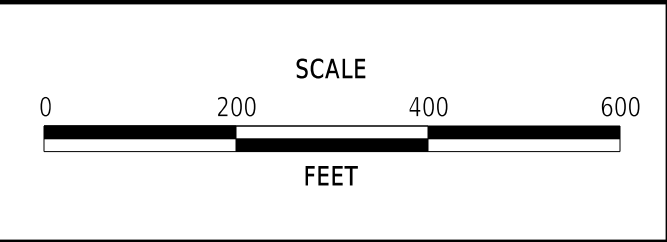


EXISTING RIGHT OF WAY BASELINE

CIRCULAR CURVE ⑧				CIRCULAR CURVE ⑨			
PC (10039)	1100+29.94	189576.4477	754632.9966	PC (10044)	1107+57.75	190163.4501	755038.3582
PI (10040)	1101+49.53	189619.3525	754744.6238	PI (10045)	1108+68.33	190260.7569	755090.8898
CC (10041)		189878.1125	754517.0496	CC (10046)		191596.0655	752384.6590
PT (10042)	1102+59.01	189724.5856	754801.4345	PT (10047)	1109+78.81	190361.6496	755136.1538
Radius:	323.1800			Radius:	3015.7099		
Delta:	40°36'45.82" Left			Delta:	4°12'00.00" Left		
Degree of Curvature(Arc):	58°09'54.29"			Degree of Curvature(Arc):	6°13'59.84"		
Length:	229.0783			Length:	221.0631		
Tangent:	119.5887			Tangent:	110.5811		
Chord:	224.3127			Chord:	221.0136		
Middle Ordinate:	20.0855			Middle Ordinate:	2.0254		
External:	21.4165			External:	2.0267		
Tangent Direction:	N 68°58'31.38" E			Tangent Direction:	N 28°21'45.57" E		
Radial Direction:	S 21°01'28.62" E			Radial Direction:	S 61°38'14.43" E		
Chord Direction:	N 48°40'08.48" E			Chord Direction:	N 26°15'45.57" E		
Radial Direction:	S 61°38'14.43" E			Radial Direction:	S 65°50'14.43" E		
Tangent Direction:	N 28°21'45.57" E			Tangent Direction:	N 24°09'45.57" E		

ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM (NAVD 1988) AND HORIZONTAL DATUM NORTH AMERICAN DATUM, NAD 83 (2007).

ADDENDA / REVISIONS	



DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

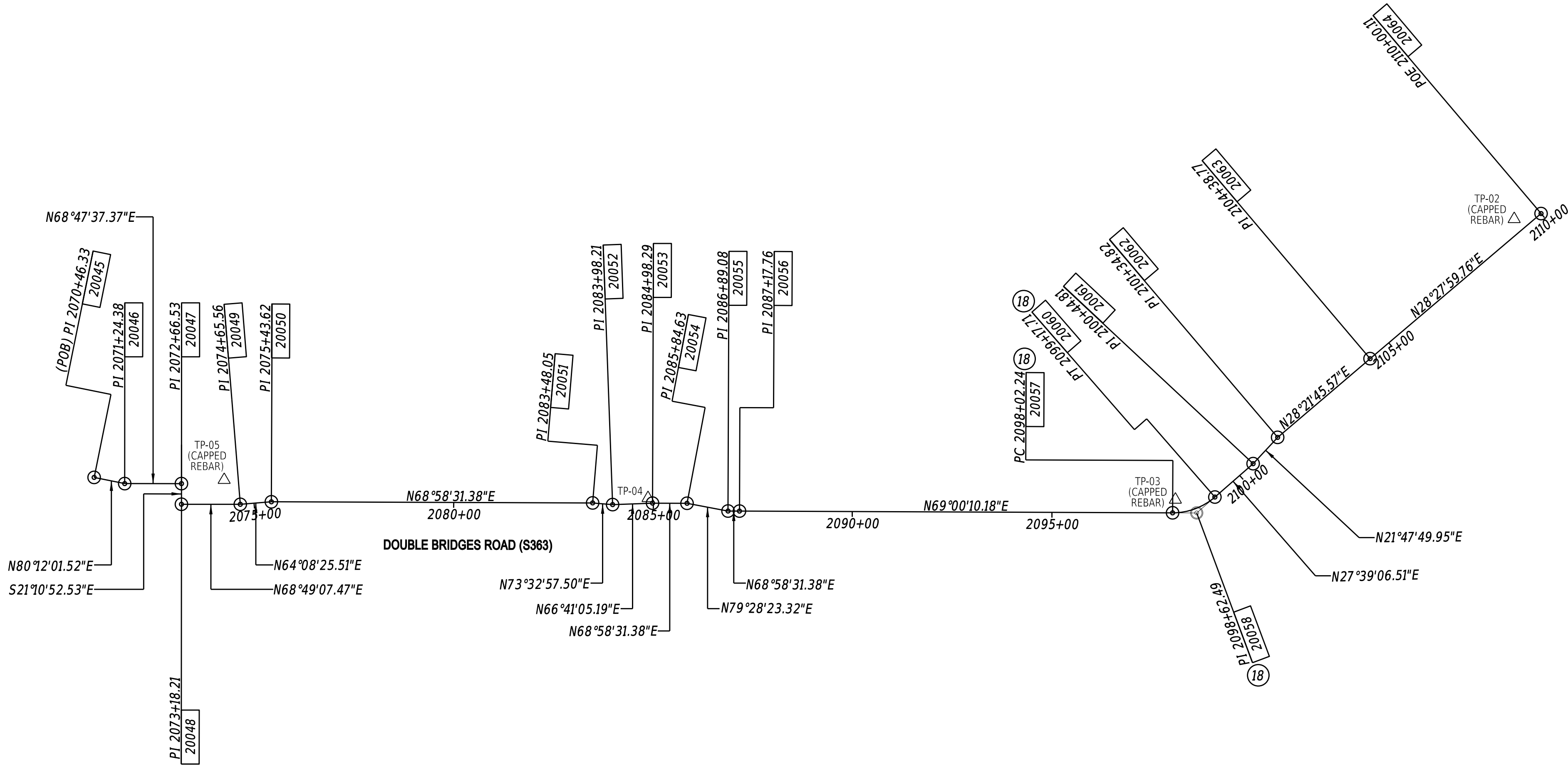
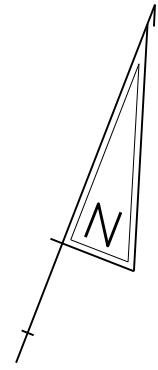
CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

HORIZONTAL AND VERTICAL CONTROL		SECTION
		CEN
		SHEET NO.
		8

CIRCULAR CURVE 18			
	STATION	NORTHING	EASTING
PC (20057) :	2098+02.24	189552.0813	754718.8646
HPI (20058) :	2098+62.62	189573.7170	754775.2361
CC (20059) :		189701.4570	754661.5331
PT (20060) :	2099+17.71	189627.2014	754803.2586
RADIUS:	160.00		
DELTA:	41°21'03.67" LEFT		
DEGREE OF CURVE (ARC):	117°29'10.28"		
LENGTH:	115.47		
TANGENT:	60.38		
CHORD:	112.98		
MIDDLE ORDINATE:	10.30		
EXTERNAL:	11.01		
TANGENT DIRECTION:	N69°00'10.18"E		
RADIAL DIRECTION:	S20°59'49.82"E		
CHORD DIRECTION:	N48°19'38.34"E		
RADIAL DIRECTION:	S62°20'53.49"E		
TANGENT DIRECTION:	N27°39'06.51"E		

CONSTRUCTION ALIGNMENT CONTROL				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
20045	2070+46.33	0.00	188656.9197	752169.7007
20046	2071+24.38	0.00	188670.2048	752246.6170
20047	2072+66.53	0.00	188721.6223	752379.1359
20048	2073+18.21	0.00	188673.4327	752397.8093
20049	2074+65.56	0.00	188726.6745	752535.2081
20050	2075+43.62	0.00	188760.7213	752605.4508
20051	2083+47.92	0.00	189049.3267	753356.3292
20052	2083+98.21	0.00	189063.5314	753404.4356
20053	2084+98.29	0.00	189103.1421	753496.3432
20054	2085+84.63	0.00	189134.1165	753576.9307
20055	2086+89.08	0.00	189153.2003	753679.6292
20056	2087+17.76	0.00	189163.4869	753706.3923
20061	2100+44.81	0.00	189739.7846	754862.2454
20062	2101+34.82	0.00	189823.3521	754895.6653
20063	2104+38.77	0.00	190090.8169	755040.0577
20064	2110+00.11	0.00	190584.2892	755307.6190

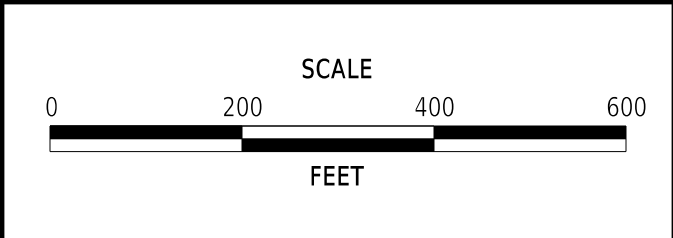
HORIZONTAL / VERTICAL CONTROL DATA					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
TP-02	2109+41.58	-19.42	190547.1846	755249.7894	8.27
TP-03	2098+12.85	-32.59	189585.3123	754713.3579	2.33
TP-04	2084+88.16	-9.19	189110.8442	753481.1155	3.99
TP-05	2074+27.07	-60.96	188768.9305	752475.4607	5.20
TP-06	2062+93.80	40.88	188345.8418	751480.7823	5.71



PROPOSED CONSTRUCTION BASELINE

ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM (NAVD 1988) AND HORIZONTAL DATUM NORTH AMERICAN DATUM, NAD 83 (2007).

ADDENDA / REVISIONS	



DOUBLE BRIDGES ROAD PATHWAY, MUDDY NECK TO NEPTUNE DRIVE	
---	--

CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

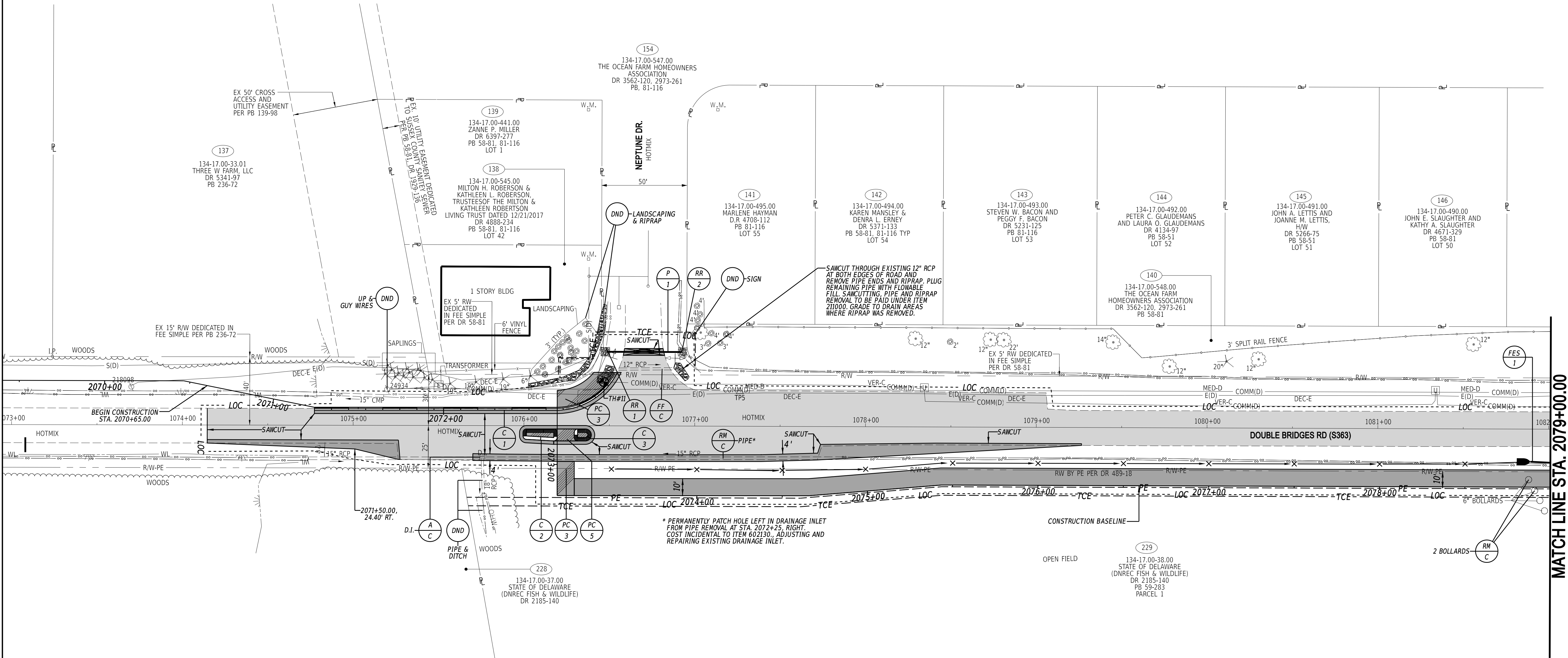
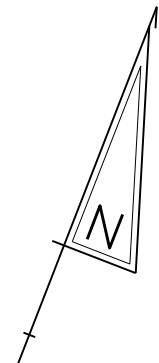
HORIZONTAL AND VERTICAL CONTROL		SECTION
		CEN
		SHEET NO.
		9

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
1	I.P.C.C. C&G TYPE 3-6	185.0'
2	P.C.C. TYPE 2	49.7'
3	P.C.C. TYPE 2	29.3'

DRAINAGE PIPE SCHEDULE						
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
1	12" RCP	IV	44.00'	0.0023'/'	3.20'	3.10'

FLARED END SECTION SCHEDULE			
NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
1	18" RCP	0.0457'/'	YES

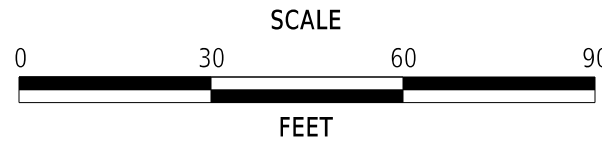
RIPRAP SCHEDULE		
NO.	TYPE	AREA (SY)
1	R-4	20.00
2	R-4	20.00



6-MAY-2026 13:42 L:\Delaware Department of Transportation\20235417.011A-T11 - T201769009 Double Br\Working\55002.24 (Task 24, Double Bridges)\CADD FILES\Sheets\CP\CP_01_DB.dgn



ADDENDA / REVISIONS	



DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

CONTRACT	BRIDGE NO.	N/A	CONSTRUCTION PLAN
T201769009	DESIGNED BY:	T. BANEZ	
COUNTY	CHECKED BY:	J. HERMES	
SUSSEX			

CP-01
SECTION
CEN
SHEET NO.
10

MANHOLE SCHEDULE					
NO.	STATION	OFFSET	TYPE/SIZE	T.G. EL.	INVERT EL.
1	2079+37.54	-25.61'	48" x 30"	*	1.01'
**2	2080+65.20	-25.63'	48" x 30"	*	1.89'

*MATCH EXISTING ROADWAY SURFACE
**COST OF CONNECTING PROPOSED MANHOLE TO EXISTING PIPE IS INCIDENTAL TO ITEM BEING INSTALLED.

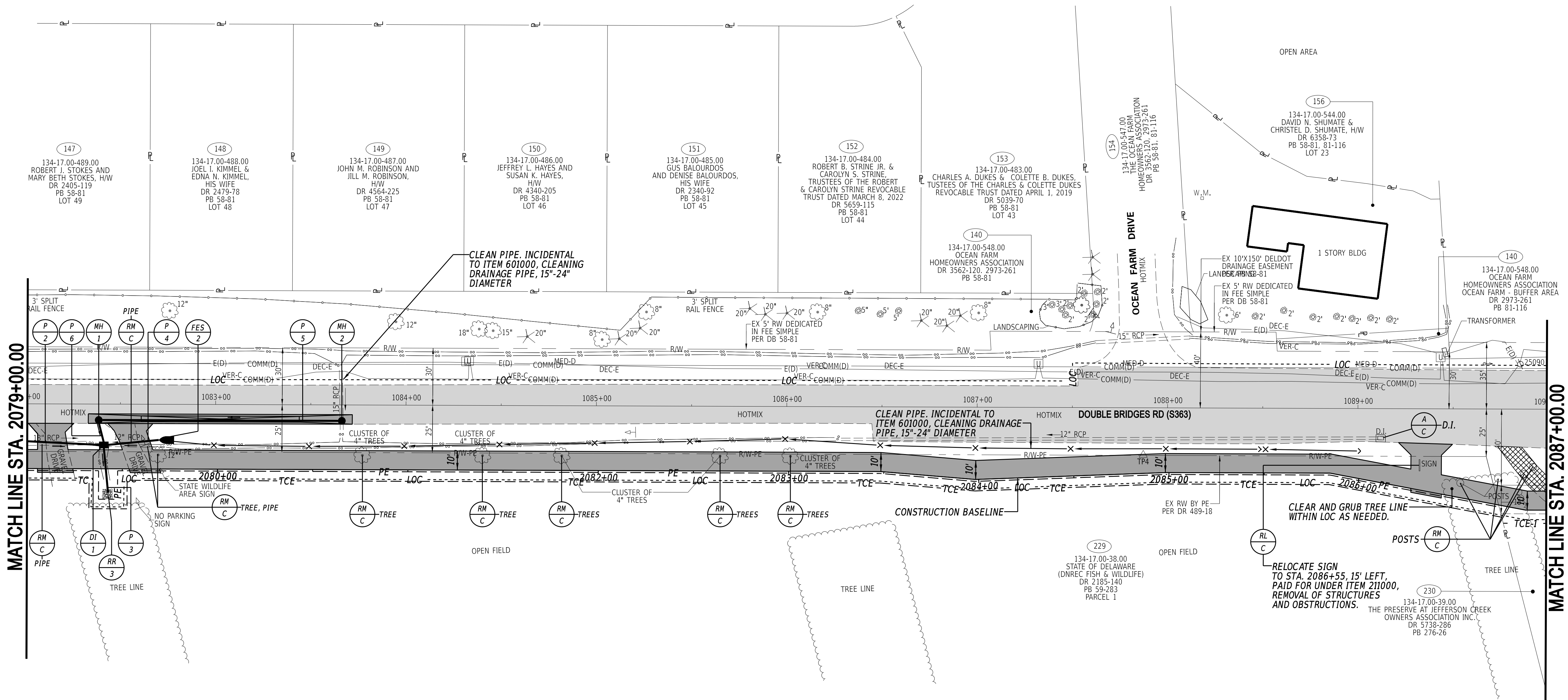
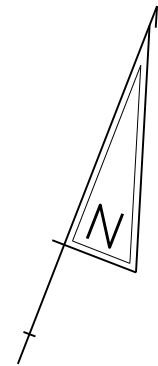
DRAINAGE INLET SCHEDULE						
NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
1***	2079+40.24	-12.55'	48" x 30"	3	3.80'	0.93'

***ITEM 602013, DRAINAGE INLET, SPECIAL. SEE CONSTRUCTION DETAILS.

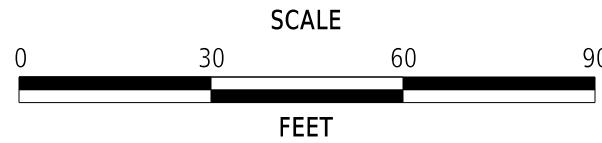
FLARED END SECTION SCHEDULE			
NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
2	15" RCP	0.0500'/'	YES

RIPRAP SCHEDULE		
NO.	TYPE	AREA (SY)
3	R-4	10.00

DRAINAGE PIPE SCHEDULE						
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
2	18" RCP	IV	50.00'	0.0416'/'	3.01'	0.93'
3	18" RCP	IV	24.00'	0.0095'/'	0.93'	0.70'
4	15" RCP	IV	27.00'	0.0489'/'	2.25'	0.93'
5	15" RCP	IV	124.00'	0.0071'/'	1.89'	1.01'
6	15" RCP	IV	10.90'	0.0073'/'	1.01'	0.93'



ADDENDA / REVISIONS	



DOUBLE BRIDGES ROAD PATHWAY, MUDDY NECK TO NEPTUNE DRIVE

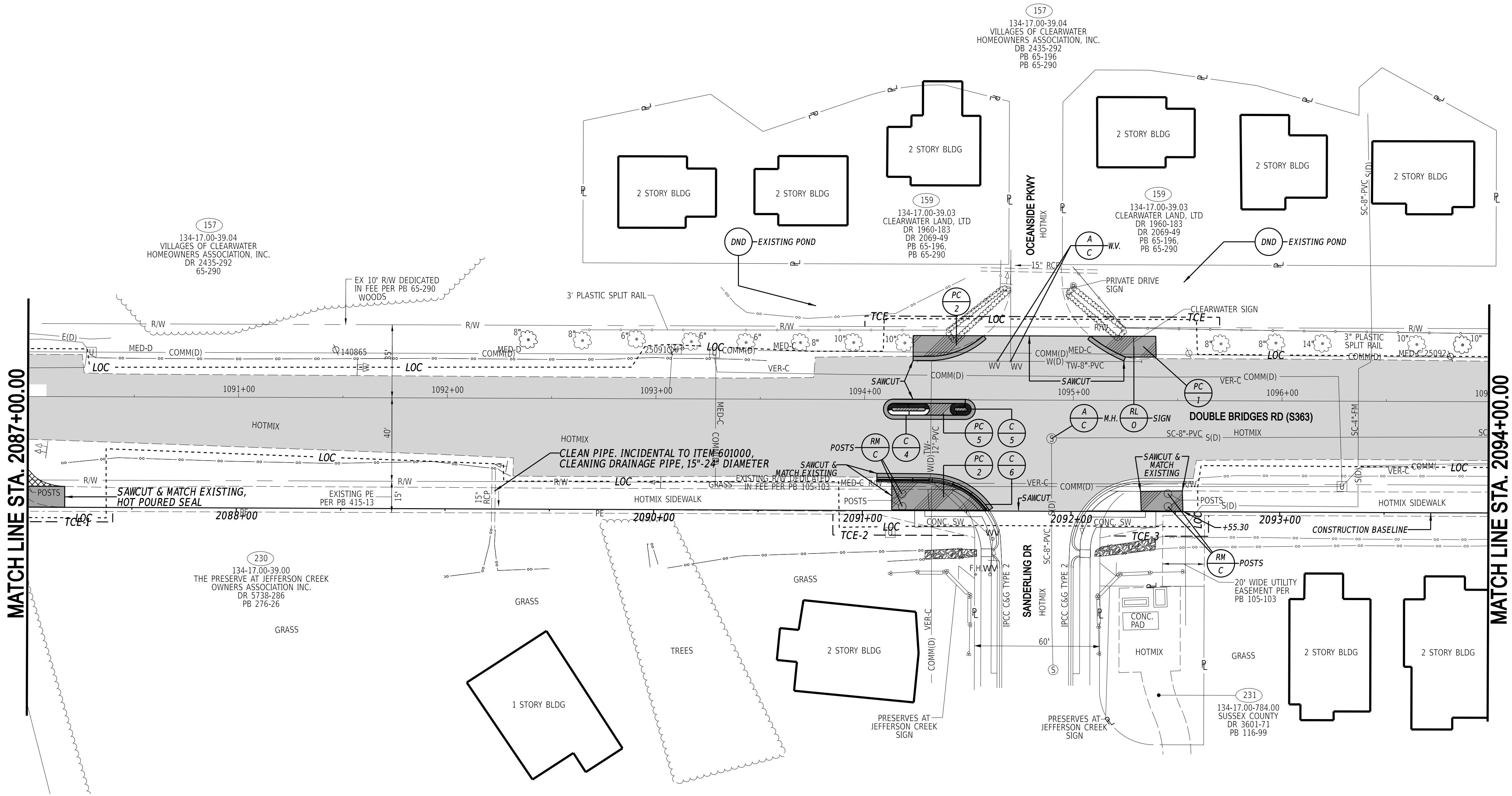
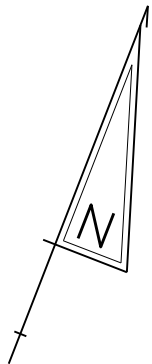
CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

CONSTRUCTION PLAN

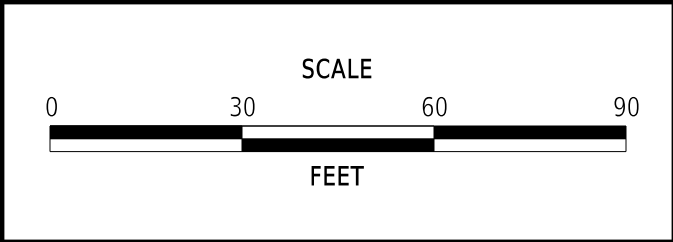
CP-02
SECTION
CEN
SHEET NO.
11



CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
4	P.C.C. CURB, TYPE 2	46.4'
5	P.C.C. CURB, TYPE 2	26.4'
6	I.P.C.C. CURB & GUTTER, TYPE 2	68.2'



ADDENDA / REVISIONS	

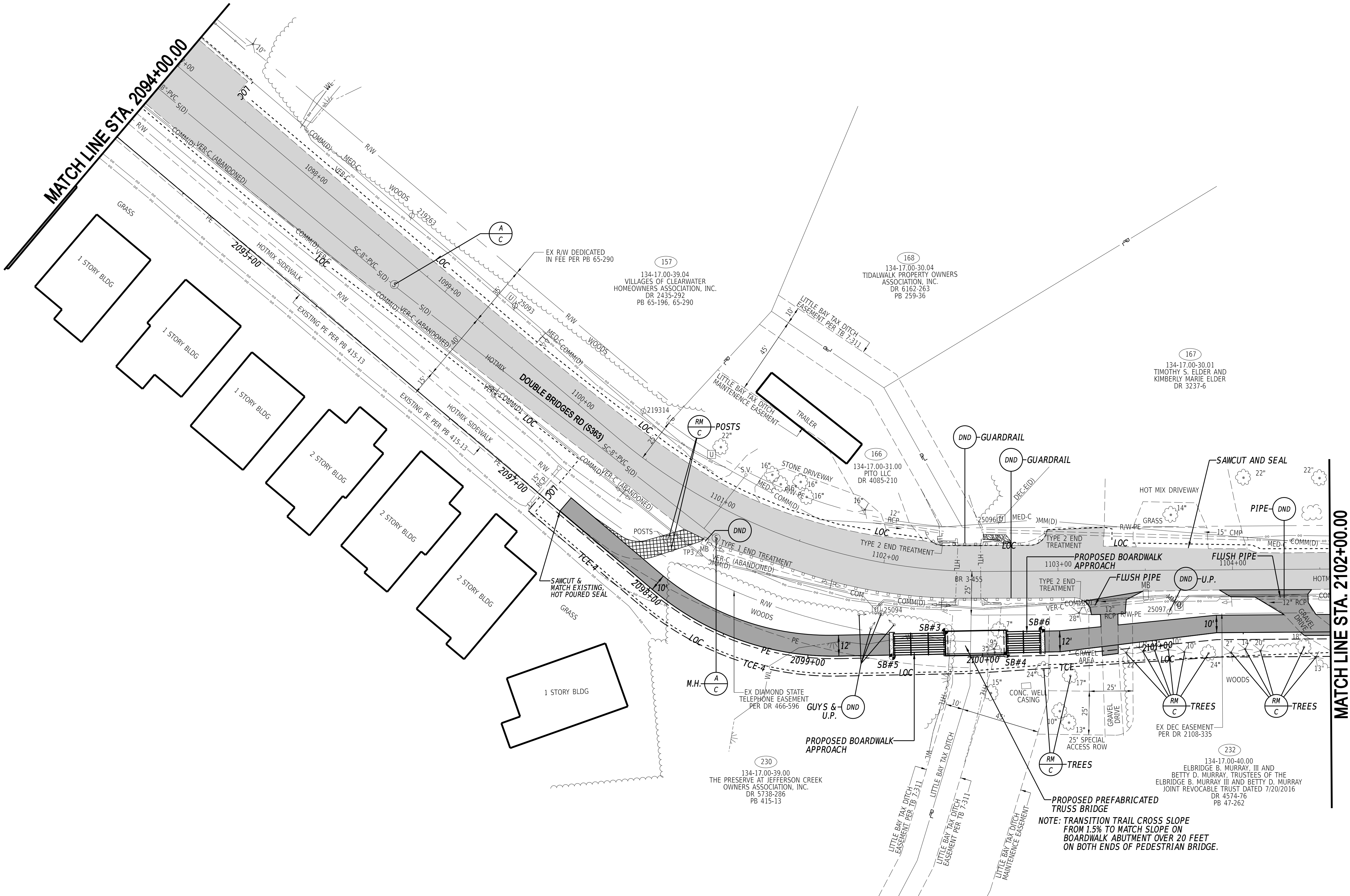
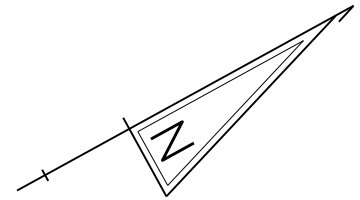


**DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE**

CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

CONSTRUCTION PLAN	
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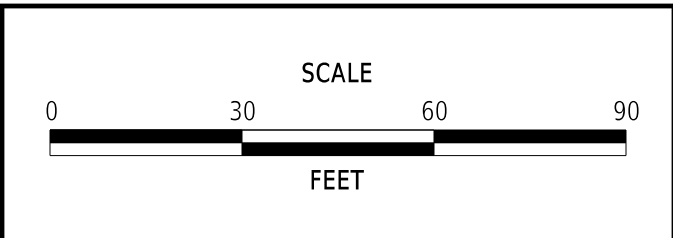
CP-03
SECTION
CEN
SHEET NO.
12



NOTE: TRANSITION TRAIL CROSS SLOPE
FROM 1.5% TO MATCH SLOPE ON
BOARDWALK ABUTMENT OVER 20 FEET
ON BOTH ENDS OF PEDESTRIAN BRIDGE.



ADDENDA / REVISIONS	



DOUBLE BRIDGES ROAD PATHWAY, MUDDY NECK TO NEPTUNE DRIVE

CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

CONSTRUCTION PLAN	

CP-04
SECTION
CEN
SHEET NO.
13

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
7	P.C.C. CURB, TYPE 2	158.4'
8	P.C.C. CURB, TYPE 2	97.1'

DRAINAGE PIPE SCHEDULE					
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL. / DIS. EL.
7	12" RCP	IV	190.0'	0.0004'/'	1.02' / 0.96'
8	12" RCP	IV	26.0'	0.0030'/'	1.24' / 1.16'

FLARED END SECTION SCHEDULE			
NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
3	12" RCP	0.0004'/'	NO
4	12" RCP	0.0030'/'	NO
5	12" RCP	0.0030'/'	NO

DELDOT SWM FACILITY SCHEDULE		
NO.	TYPE/DESCRIPTION	LOCATION
1XXX	BIOSWALE	STA. 2102+74.78 TO STA. 2104+34.78

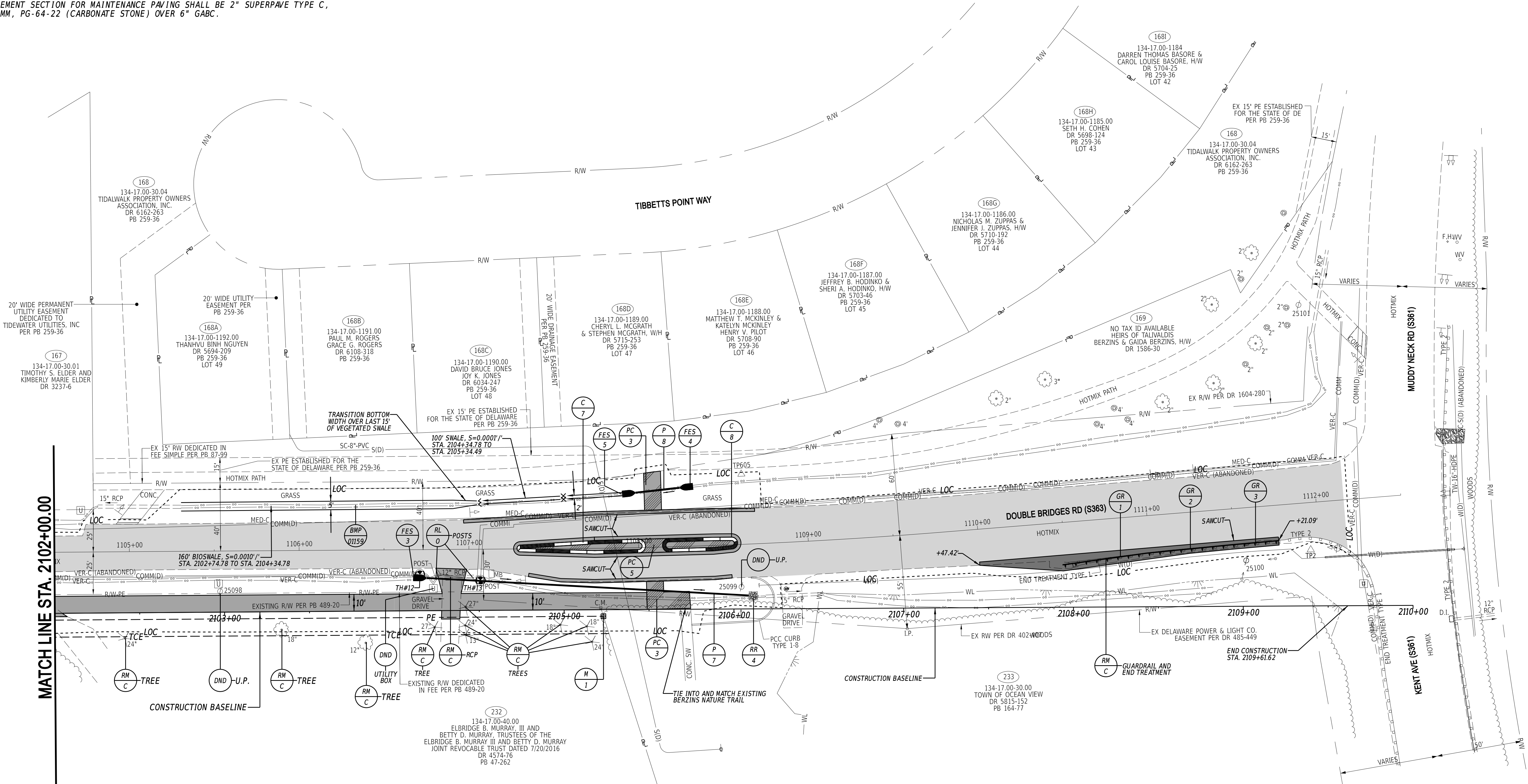
GUARDRAIL SCHEDULE				
NO.	ITEM DESCRIPTION / TYPE	BEGIN STA.	OFFSET	LENGTH
1	GUARDRAIL END TREATMENT, TYPE 1-31, TEST LEVEL 2	2107+96.09	-16.62'	50.00'
2	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	2108+46.09	-21.50'	50.00'
3	W-BEAM, TYPE 1-27 TO TYPE 1-31, TRANSITION SECTION	2108+96.09	-24.39'	25.00'

RIGHT-OF-WAY MONUMENT SCHEDULE					
NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
1	CONCRETE	1107+78.70	40.00	190163.1279	755083.6409

NOTE: MONUMENT 1 WILL BE OFFSET FROM THE PROPERTY CORNER TO 5.097' BACK ALONG THE PROPERTY LINE.

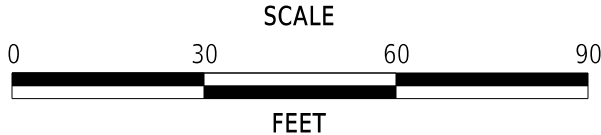
RIPRAP SCHEDULE		
NO.	TYPE	AREA (SY)
4	R-4	10.0

NOTE: PAVEMENT SECTION FOR MAINTENANCE PAVING SHALL BE 2" SUPERPAVE TYPE C, 9.5MM, PG-64-22 (CARBONATE STONE) OVER 6" GABC.



1-JUL-2026
14:57
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ADDENDA / REVISIONS	

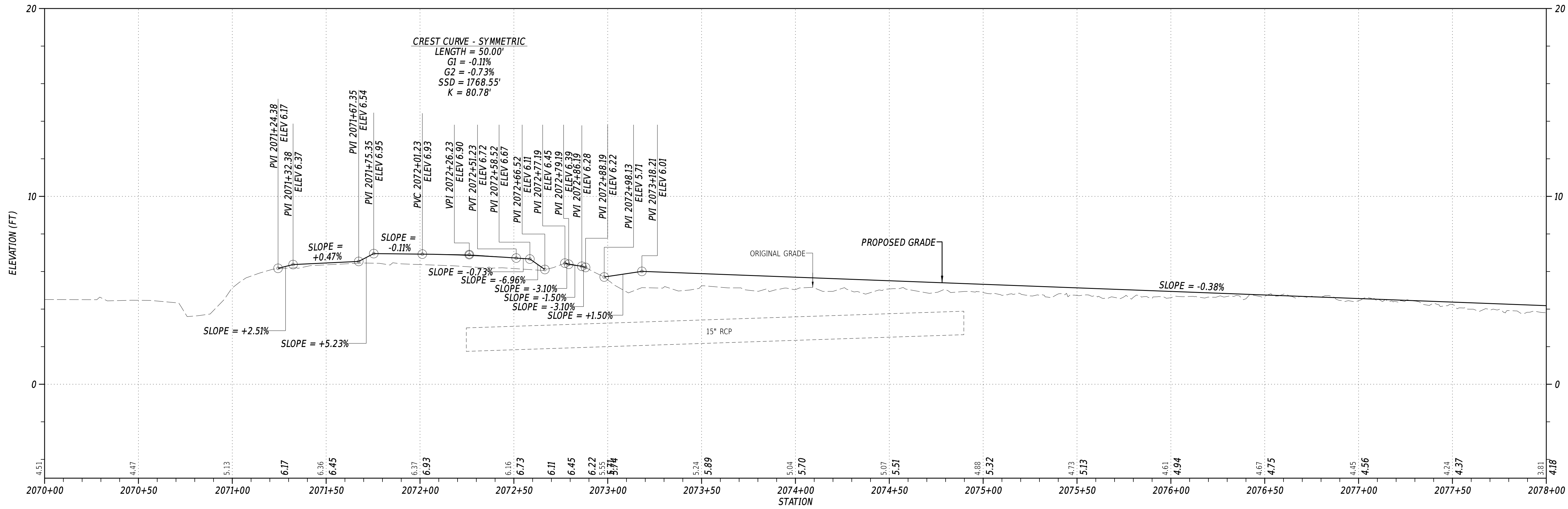
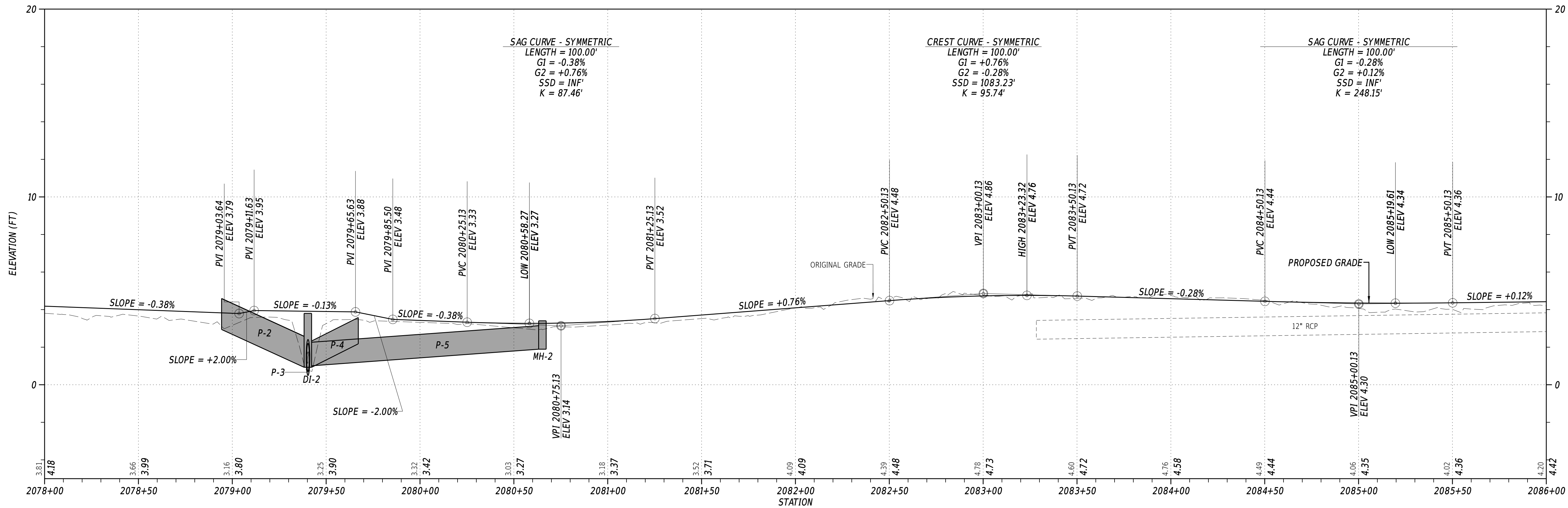


DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

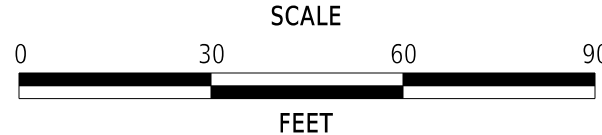
CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

CONSTRUCTION PLAN

CP-05
SECTION
CEN
SHEET NO.
14



ADDENDA / REVISIONS	

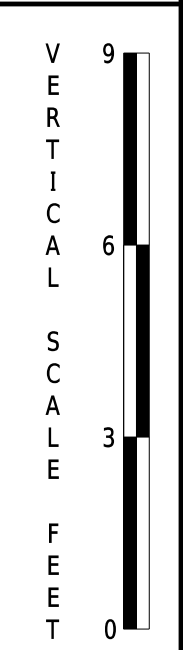


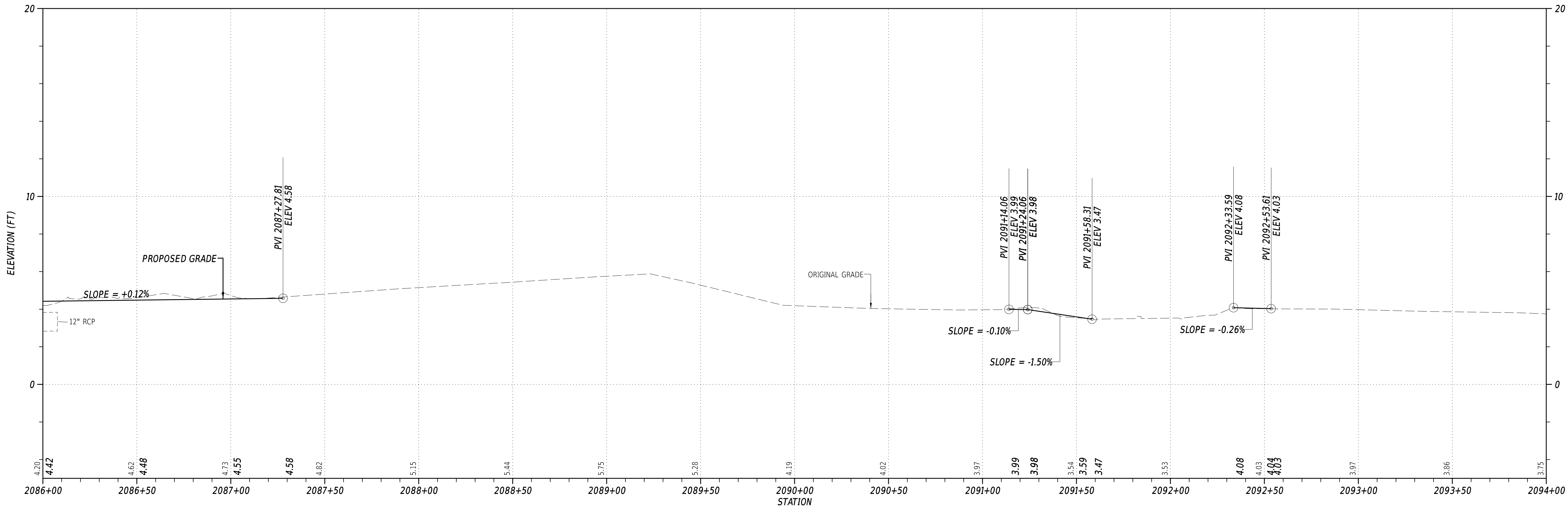
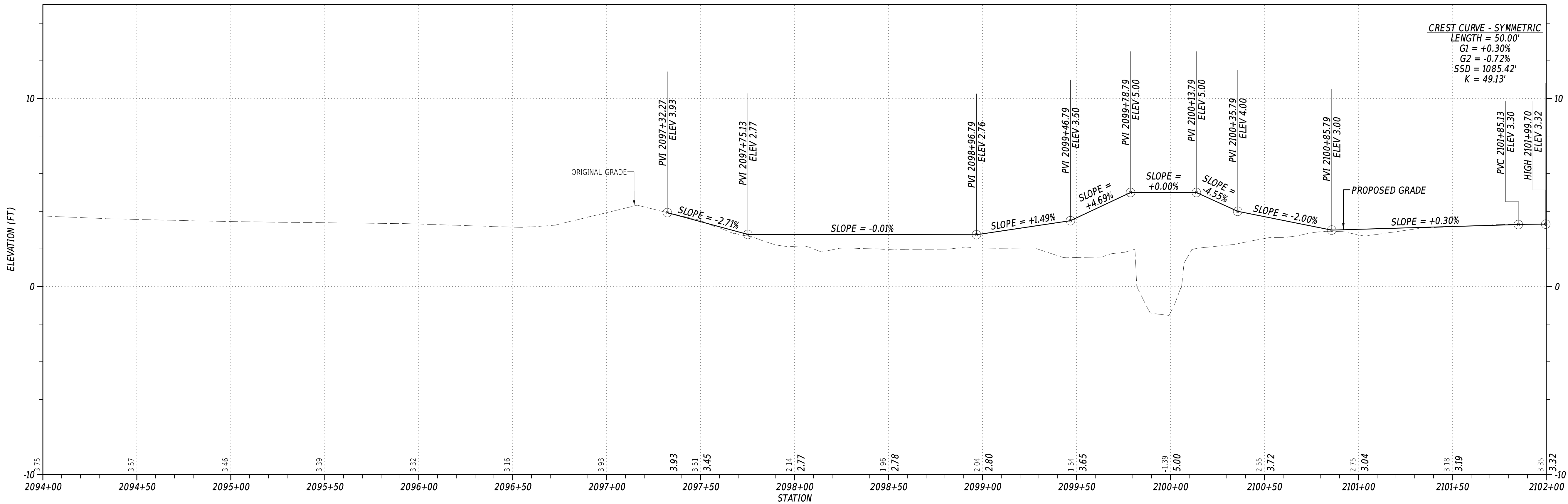
DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

PROFILES

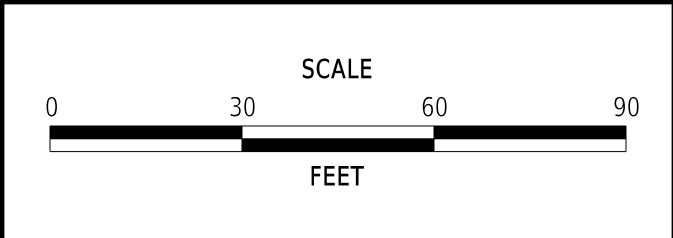
SECTION
CEN
SHEET NO.
15





NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

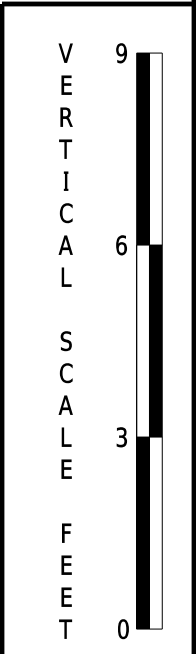
ADDENDA / REVISIONS	

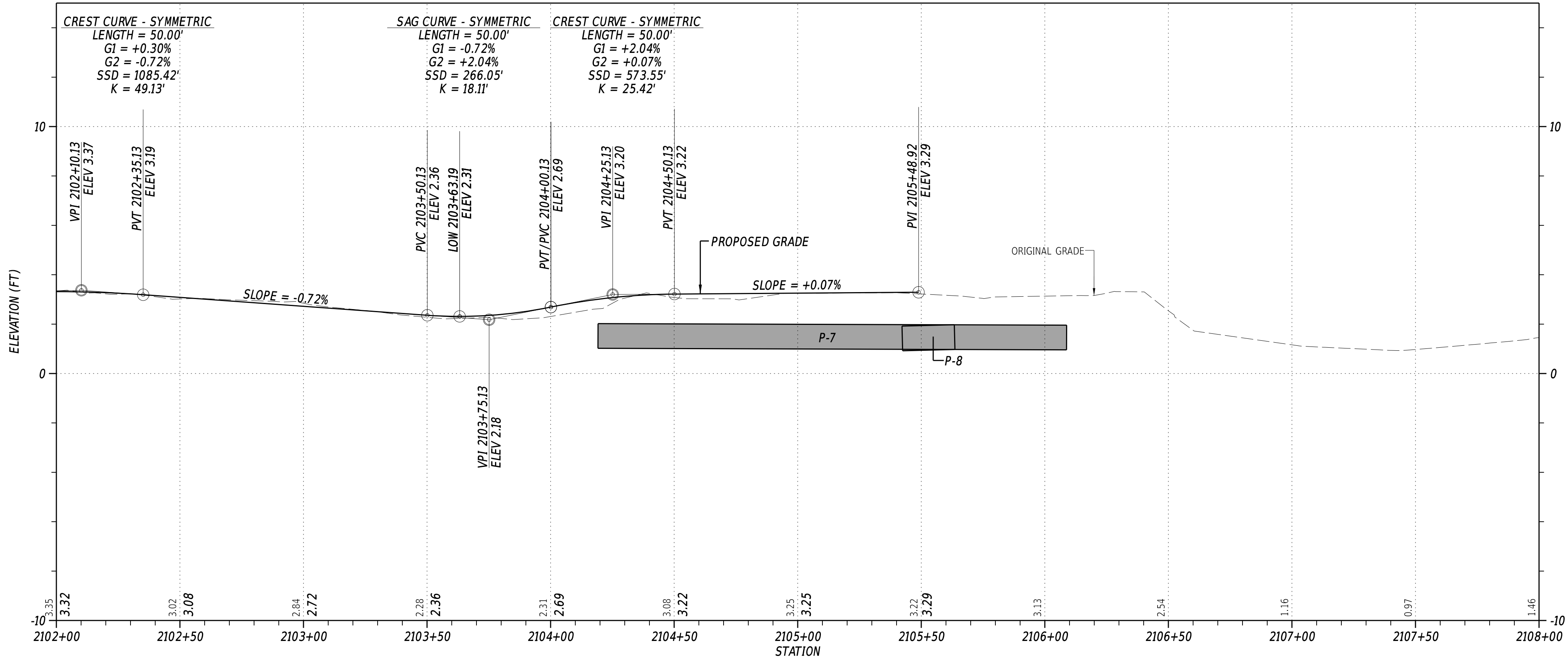


DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

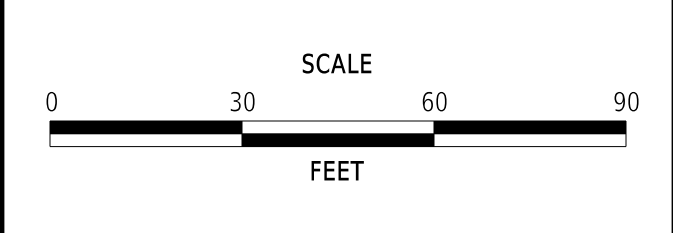
CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

PROFILES	
SECTION	CEN
SHEET NO.	16





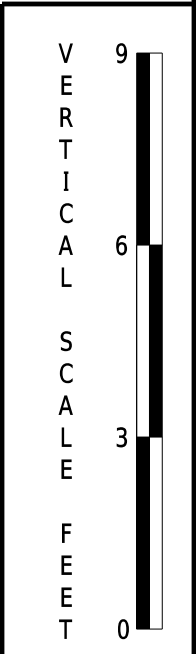
ADDENDA / REVISIONS	

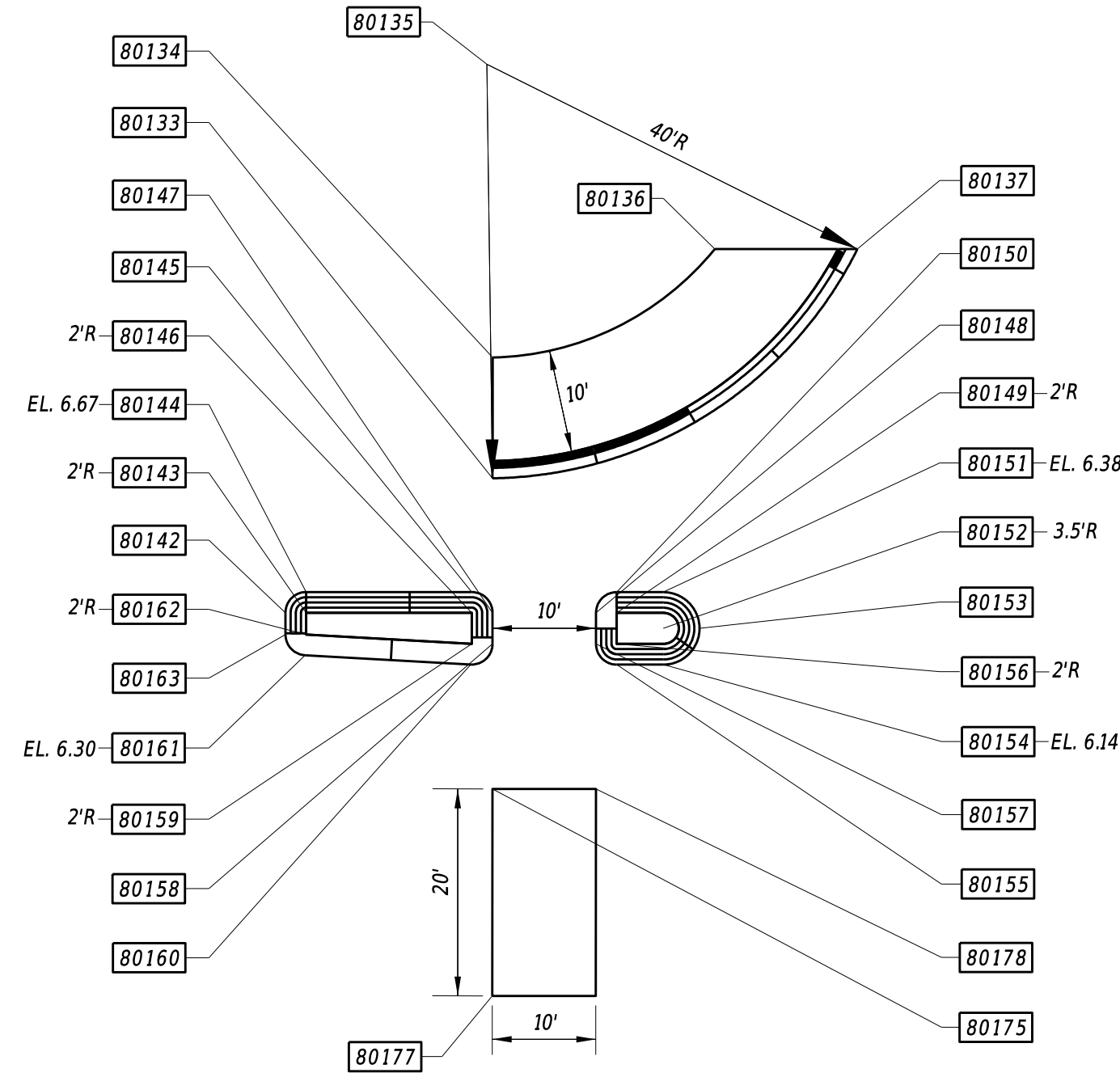


DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

PROFILES	
SECTION	CEN
SHEET NO.	17

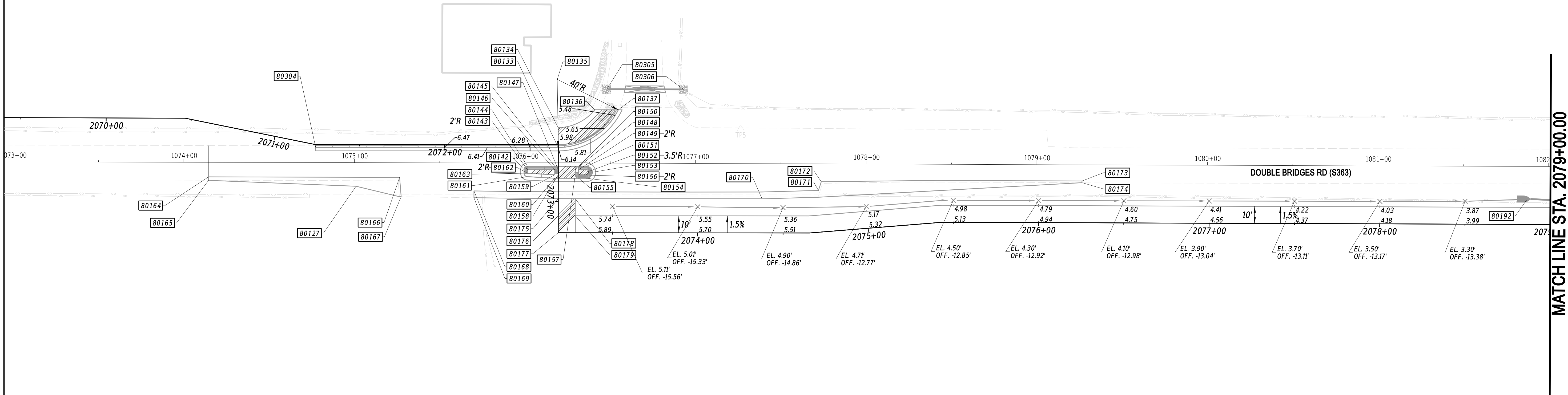
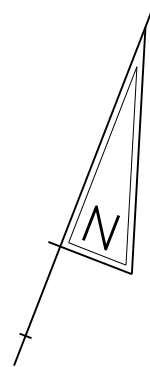




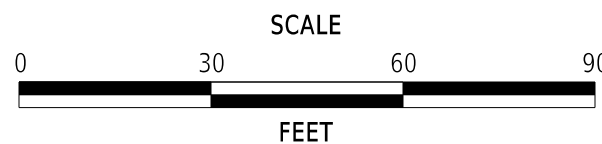
PEDESTRIAN CONNECTION DETAILS

COORDINATE LIST				
NO.	STATION	OFFSET	NORTHING	EASTING
80127	2071+48.05	24.43'	188655.9850	752379.7322
80133	2072+68.06	0.01'	188720.0659	752379.7322
80134	2072+66.39	-10.00'	188730.9439	752375.5115
80135	2072+65.83	-38.33'	188757.1497	752364.7398
80136	2072+66.40	-29.67'	188748.4882	752391.7167
80137	2072+66.40	-40.75'	188753.4640	752404.5697
80142	2072+46.39	14.67'	188700.7117	752365.7890
80143	2072+48.39	14.67'	188701.4351	752367.6535
80144	2072+48.39	12.67'	188703.2997	752366.9301
80145	2072+79.06	2.00'	188709.0873	752381.8466
80146	2072+81.06	2.00'	188707.2228	752382.5701
80147	2072+81.06	0.00'	188707.9462	752384.4347
80148	2072+81.06	-10.00'	188711.5635	752393.7575
80149	2072+81.06	-12.00'	188712.2869	752395.6221
80150	2072+79.06	-12.00'	188714.1515	752394.8986
80151	2072+79.06	-16.50'	188715.7793	752399.0939
80152	2072+82.56	-16.50'	188712.5163	752400.3599
80153	2072+82.55	-20.00'	188713.7823	752403.6229
80154	2072+86.06	-16.50'	188709.2533	752401.6260
80155	2072+86.06	-12.00'	188707.6255	752397.4307
80156	2072+84.06	-12.00'	188709.4901	752396.7073
80157	2072+84.06	-10.00'	188708.7666	752394.8427
80158	2072+84.06	-0.00'	188705.1522	752385.5187

COORDINATE LIST				
NO.	STATION	OFFSET	NORTHING	EASTING
80159	2072+84.06	2.00'	188704.4259	752383.6553
80160	2072+86.06	2.11'	188702.5270	752384.2731
80161	2072+85.18	18.11'	188697.5680	752369.0350
80162	2072+48.39	16.77'	188699.4699	752368.4161
80163	2072+46.39	16.77'	188698.7464	752366.5515
80164	2070+56.56	30.99'	188629.8255	752194.9140
80165	2070+56.96	33.00'	188627.9277	752195.6513
80166	2071+23.53	19.18'	188670.0986	752299.3777
80167	2071+24.48	30.54'	188698.7464	752366.5515
80168	2072+17.00	27.14'	188678.4491	752342.8999
80169	2072+16.99	31.14'	188674.7170	752344.3399
80170	2074+37.57	-20.04'	188735.2996	752501.9912
80171	2074+72.63	-24.47'	188751.8369	752531.0089
80172	2074+74.71	-29.43'	188757.2077	752530.7186
80173	2076+25.28	-24.49'	188812.9215	752673.0071
80174	2076+25.29	-23.49'	188811.9933	752673.3796
80175	2072+98.08	-0.00'	188692.0815	752390.5829
80176	2073+08.08	-0.00'	188682.7571	752394.1961
80177	2073+18.08	0.00'	188673.4327	752397.8093
80178	2072+98.08	-10.00'	188695.6947	752399.9073
80179	2073+08.08	-10.00'	188686.3703	752403.5205
80192	2078+86.31	-14.59'	188897.2838	752920.0906



ADDENDA / REVISIONS



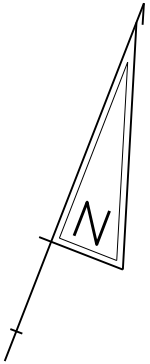
DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

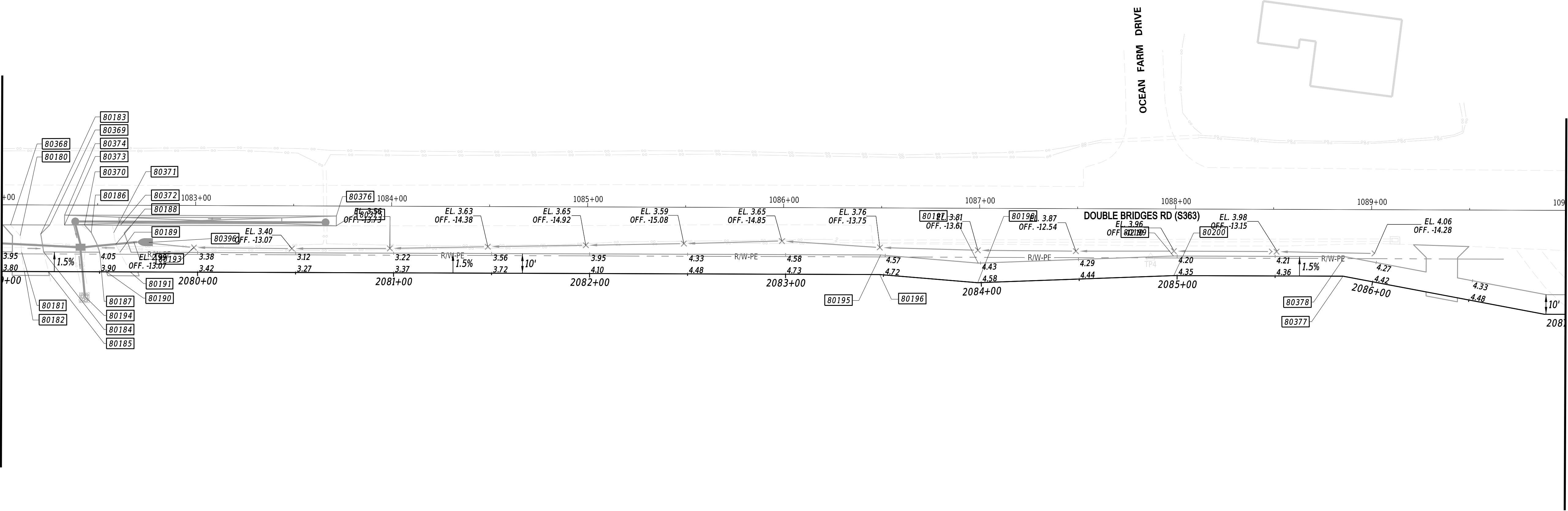
GRADES AND
GEOMETRICS

GG-01
SECTION
CEN
SHEET NO.
18

COORDINATE LIST				
NO.	STATION	OFFSET	NORTHING	EASTING
80180	2079+09.29	-18.27'	188909.0110	752940.3453
80181	2079+10.05	-10.00'	188901.5646	752944.0164
80182	2079+11.50	0.00'	188892.7530	752948.9638
80183	2079+19.80	-19.19'	188913.6472	752949.8233
80184	2079+21.30	-10.00'	188905.6023	752954.5214
80185	2079+23.79	0.00'	188897.1621	752960.4353
80186	2079+45.52	-20.02'	188923.6477	752973.5302
80187	2079+49.89	-10.00'	188915.8577	752981.2035
80188	2079+58.06	-14.05'	188922.5669	752987.3831
80189	2079+60.20	-10.00'	188919.5597	752990.8351
80190	2079+53.37	0.00'	188907.7731	752988.0425
80191	2079+65.50	0.00'	188912.1262	752999.3680
80193	2079+67.12	-15.03'	188926.6845	752995.3656
80194	2079+42.40	12.59'	188892.0867	752982.3247
80195	2083+47.92	-10.01'	189058.8042	753353.1143
80196	2083+47.92	0.00'	189049.3267	753356.3292
80197	2083+98.68	-10.00'	189072.9522	753401.0285
80198	2083+98.08	0.00'	189063.5314	753404.4356
80199	2084+98.16	-10.00'	189112.4046	753492.5688
80200	2084+98.16	0.00'	189103.1421	753496.3432
80304	2071+24.38	1.67'	188688.6510	752247.2198
80305	N/A	N/A	188762.4378	752394.3530
80306	N/A	N/A	188778.2496	752435.4138
80368	2079+04.38	-23.77'	188912.3839	752933.7909
80369	2079+24.32	-23.80'	188919.5647	752952.3861
80370	2079+42.09	-23.87'	188926.0064	752968.9468
80371	2079+57.01	-19.93'	188927.6837	752984.2859
80372	2079+60.58	-23.94'	188932.7083	752986.1812
80373	2079+31.89	-24.14'	188922.5976	752959.3357
80374	2079+31.90	-28.86'	188927.0131	752957.6530
80375	2080+70.57	-23.88'	188972.1110	753088.8796
80376	2080+70.57	-28.88'	188976.7780	753087.0852
80377	2085+84.50	0.00'	189134.1165	753576.9307
80378	2085+84.50	-10.04'	189143.7803	753574.2006

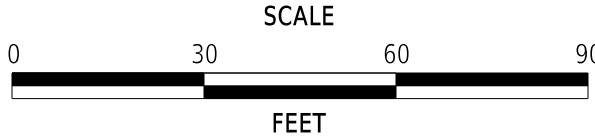


MATCH LINE STA. 2079+00.00



MATCH LINE STA. 2087+00.00

ADDENDA / REVISIONS	

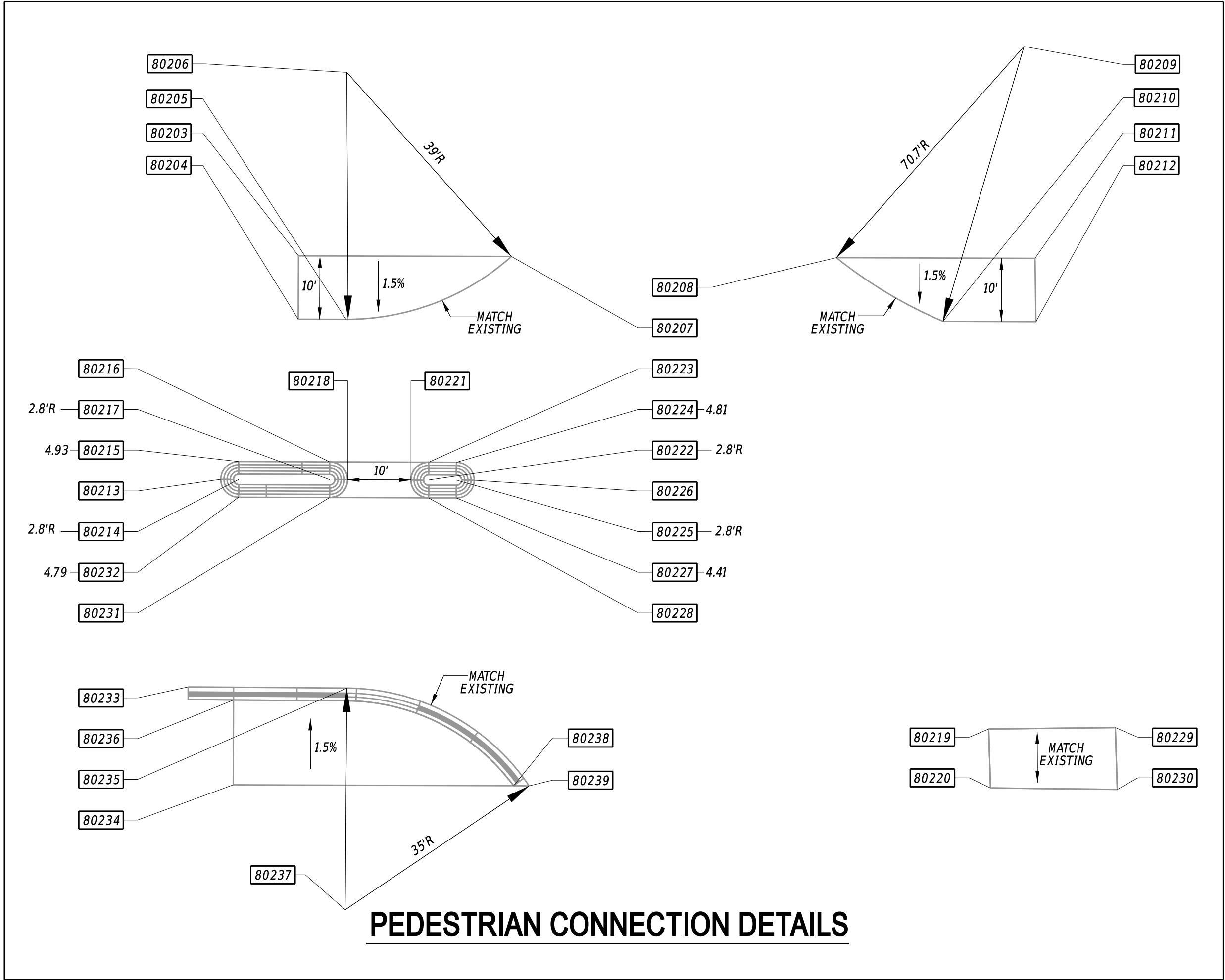


DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

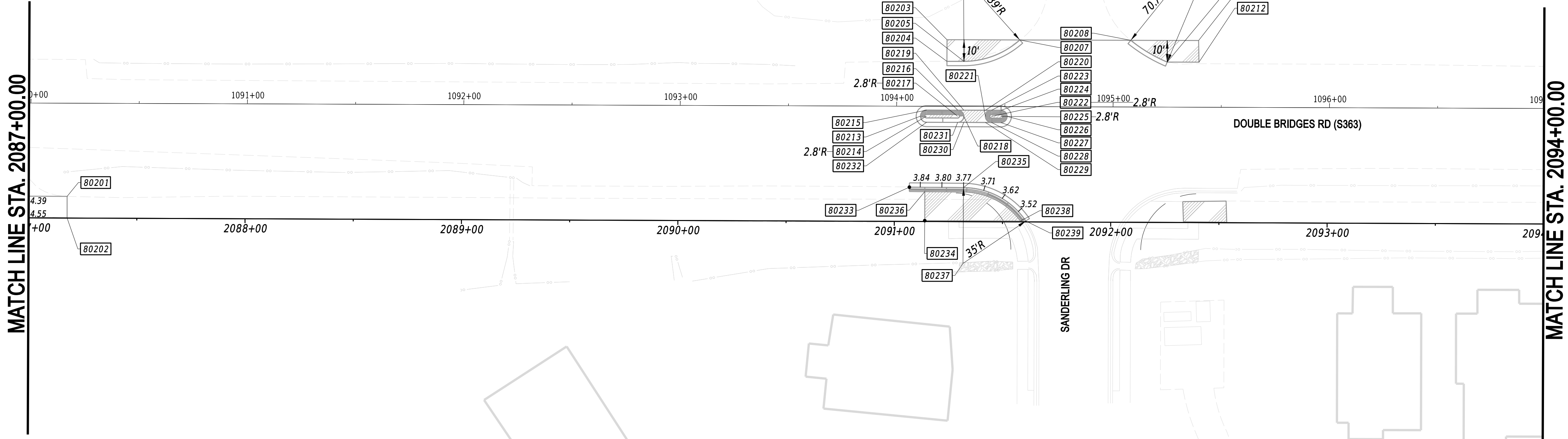
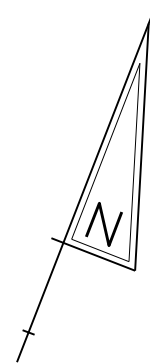
GRADES AND
GEOMETRICS

GG-02
SECTION
CEN
SHEET NO.
19

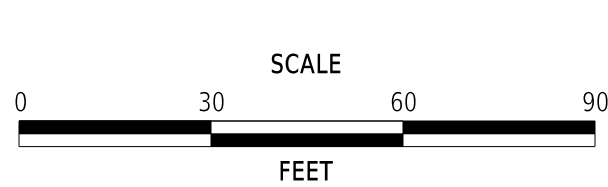


COORDINATE LIST				
NO.	STATION	OFFSET	NORTHING	EASTING
80201	2087+17.63	-10.00'	189172.8211	753702.8046
80202	2087+17.63	0.00'	189163.4869	753706.3923
80203	2091+23.86	-83.99'	189387.4588	754055.5608
80204	2091+23.89	-73.99'	189378.1328	754059.1699
80205	2091+31.76	-73.99'	189380.9591	754066.5168
80206	2091+31.41	-112.99'	189417.2408	754052.2116
80207	2091+57.50	-84.00'	189399.5309	754086.9587
80208	2092+08.79	-84.04'	189417.9357	754134.8274
80209	2092+52.87	-139.26'	189485.2942	754156.1961
80210	2092+25.66	-74.05'	189414.6567	754154.1641
80211	2092+40.14	-84.05'	189429.1889	754164.0957
80212	2092+40.33	-74.05'	189419.9199	754167.8531
80213	2091+11.78	-48.63'	189350.1246	754056.9448
80214	2091+14.59	-48.63'	189351.1339	754059.5726
80215	2091+14.59	-51.45'	189353.7614	754058.5624
80216	2091+28.96	-51.46'	189358.9184	754071.9752
80217	2091+28.96	-48.64'	189356.2922	754072.9860
80218	2091+31.78	-48.65'	189357.3021	754075.6125
80219	2091+31.78	-51.46'	189359.9286	754074.6027
80220	2091+41.78	-51.47'	189363.5174	754083.9365

COORDINATE LIST				
NO.	STATION	OFFSET	NORTHING	EASTING
80221	2091+41.78	-48.65'	189360.8908	754084.9464
80222	2091+44.59	-48.65'	189361.9001	754087.5742
80223	2091+44.59	-51.47'	189364.5276	754086.5640
80224	2091+48.96	-51.47'	189366.0959	754090.6429
80225	2091+48.96	-48.65'	189363.4684	754091.6531
80226	2091+51.78	-48.66'	189364.4786	754094.2806
80227	2091+48.96	-45.84'	189360.8428	754092.6626
80228	2091+44.59	-45.84'	189359.2745	754088.5837
80229	2091+41.78	-45.84'	189358.2642	754085.9563
80230	2091+31.78	-45.83'	189354.6755	754076.6224
80231	2091+28.96	-45.83'	189353.6653	754073.9949
80232	2091+14.59	-45.82'	189348.5083	754060.5822
80233	2091+06.76	-15.82'	189317.6894	754064.0210
80234	2091+13.93	-0.39'	189305.8553	754076.2459
80235	2091+31.80	-15.73'	189326.5816	754087.4241
80236	2091+31.80	-13.73'	189324.7148	754088.1419
80237	2091+31.69	19.27'	189293.8694	754099.8706
80238	2091+58.18	-0.42'	189321.7402	754117.5404
80239	2091+60.63	-0.42'	189322.6180	754119.8336



ADDENDA / REVISIONS	

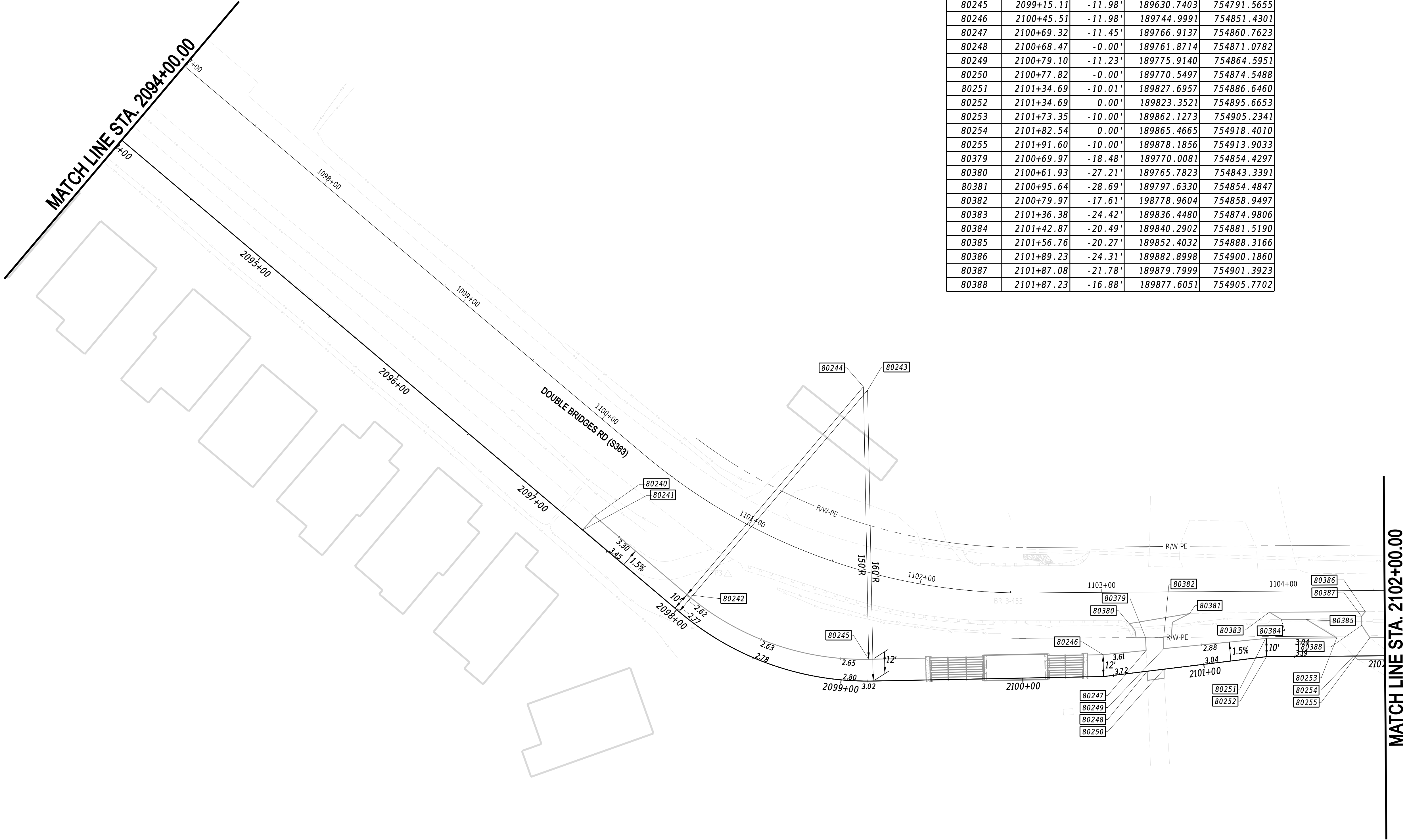


DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

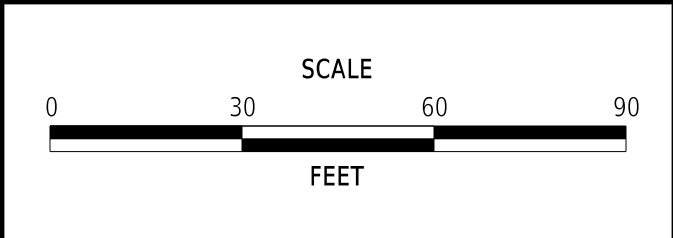
GRADES AND
GEOMETRICS

GG-03
SECTION
CEN
SHEET NO.
20



COORDINATE LIST				
NO.	STATION	OFFSET	NORTHING	EASTING
80240	2097+32.15	-10.08'	189536.4257	754649.9375
80241	2097+32.14	-0.24'	189527.2320	754653.4511
80242	2097+98.85	-9.99'	189560.2388	754712.2468
80243	2098+02.11	-160.00'	189701.4570	754661.5331
80244	2097+99.07	-159.99'	189700.3549	754658.6978
80245	2099+15.11	-11.98'	189630.7403	754791.5655
80246	2100+45.51	-11.98'	189744.9991	754851.4301
80247	2100+69.32	-11.45'	189766.9137	754860.7623
80248	2100+68.47	-0.00'	189761.8714	754871.0782
80249	2100+79.10	-11.23'	189775.9140	754864.5951
80250	2100+77.82	-0.00'	189770.5497	754874.5488
80251	2101+34.69	-10.01'	189827.6957	754886.6460
80252	2101+34.69	0.00'	189823.3521	754895.6653
80253	2101+73.35	-10.00'	189862.1273	754905.2341
80254	2101+82.54	0.00'	189865.4665	754918.4010
80255	2101+91.60	-10.00'	189878.1856	754913.9033
80379	2100+69.97	-18.48'	189770.0081	754854.4297
80380	2100+61.93	-27.21'	189765.7823	754843.3391
80381	2100+95.64	-28.69'	189797.6330	754854.4847
80382	2100+79.97	-17.61'	198778.9604	754858.9497
80383	2101+36.38	-24.42'	189836.4480	754874.9806
80384	2101+42.87	-20.49'	189840.2902	754881.5190
80385	2101+56.76	-20.27'	189852.4032	754888.3166
80386	2101+89.23	-24.31'	189882.8998	754900.1860
80387	2101+87.08	-21.78'	189879.7999	754901.3923
80388	2101+87.23	-16.88'	189877.6051	754905.7702

ADDENDA / REVISIONS	



**DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE**

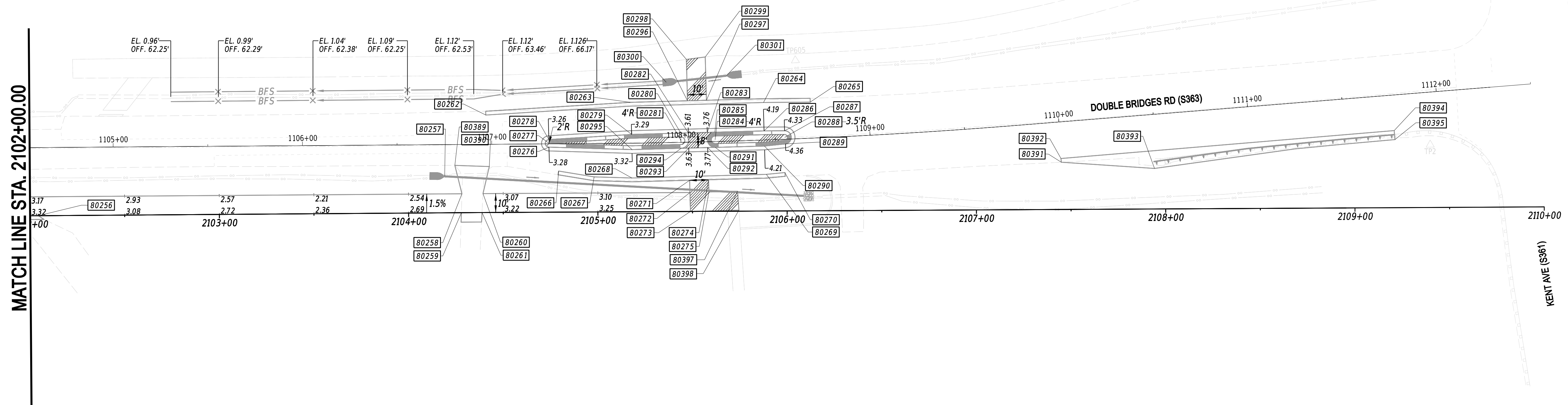
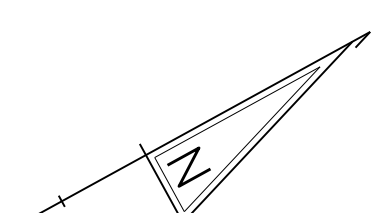
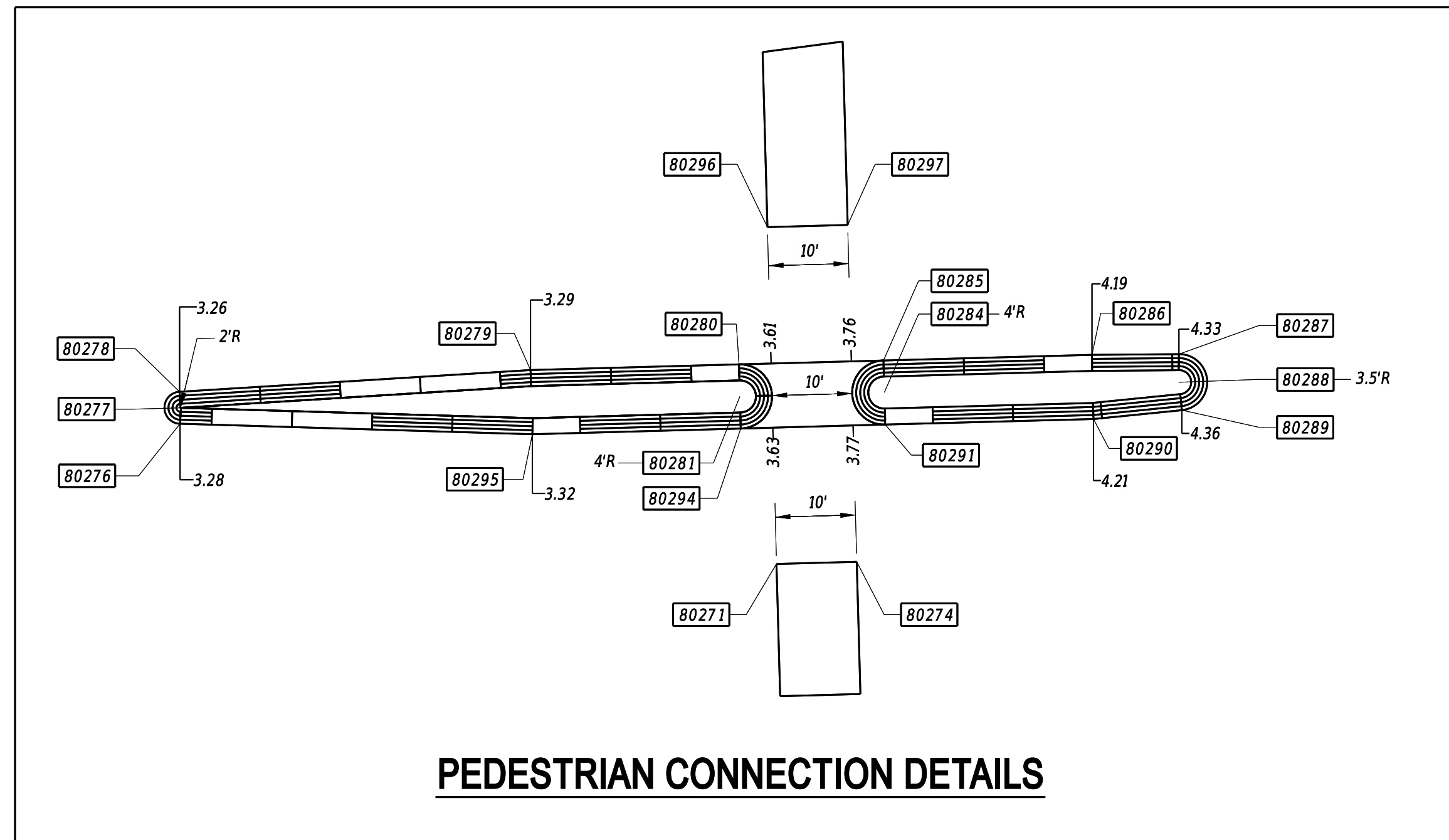
CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

GRADES AND GEOMETRICS	SECTION
	CEN
	SHEET NO.
	21

GG-04

COORDINATE LIST				
NO.	STATION	OFFSET	NORTHING	EASTING
80256	2102+04.21	0.00'	189884.5350	754928.6952
80257	2104+19.05	-19.25'	190082.7229	755013.8163
80258	2104+28.12	-10.00'	190086.3133	755026.2623
80259	2104+27.74	0.00'	190081.2239	755034.8789
80260	2104+39.19	-10.00'	190096.0719	755031.5505
80261	2104+38.64	0.00'	190090.8169	755040.0577
80262	2104+40.91	-51.48'	190117.3559	754995.8863
80263	2105+17.32	-55.80'	190186.5853	755028.5072
80264	2105+87.68	-57.34'	190249.1692	755060.6953
80265	2106+12.32	-57.40'	190270.8653	755072.3818
80266	2104+79.23	-21.70'	190136.8396	755040.3323
80267	2104+97.98	-18.50'	190151.8021	755052.0751
80268	2105+17.94	-17.81'	190169.0185	755062.2037
80269	2105+88.96	-19.35'	190232.1875	755094.6925
80270	2105+98.77	-20.29'	190241.2580	755098.5480
80271	2105+48.43	-16.47'	190195.1847	755077.9105
80272	2105+48.57	-10.00'	190192.2246	755083.6658
80273	2105+48.79	0.00'	190187.6498	755092.5607
80274	2105+58.43	-16.69'	190204.0775	755082.4843
80275	2105+58.79	-0.22'	190196.5426	755097.1344
80276	2104+74.19	-34.34'	190138.4423	755026.8167
80277	2104+74.26	-36.34'	190139.4562	755025.0927
80278	2104+74.15	-38.34'	190140.3087	755023.2835
80279	2105+17.91	-40.81'	190179.9562	755041.9654
80280	2105+43.88	-41.38'	190203.0619	755053.8491
80281	2105+43.97	-37.38'	190201.2324	755057.4062
80282	2105+47.88	-41.46'	190206.6190	755055.6786

COORDINATE LIST				
NO.	STATION	OFFSET	NORTHING	EASTING
80283	2105+57.88	-41.68'	190215.5118	755060.2523
80284	2105+61.97	-37.77'	190217.2394	755065.6389
80285	2105+61.88	-41.77'	190219.0689	755062.0818
80286	2105+87.86	-42.34'	190242.1816	755073.9691
80287	2105+98.70	-42.37'	190251.7215	755079.1077
80288	2105+98.71	-38.87'	190250.0617	755082.1891
80289	2105+99.04	-35.38'	190248.6909	755085.4095
80290	2105+88.01	-34.34'	190238.4988	755081.0710
80291	2105+62.05	-33.77'	190215.4099	755069.1960
80292	2105+58.06	-33.68'	190211.8528	755067.3665
80293	2105+48.06	-33.47'	190202.9600	755062.7928
80294	2105+44.06	-33.38'	190199.4029	755060.9633
80295	2105+18.09	-32.81'	190176.3069	755049.0846
80296	2105+47.51	-58.46'	190214.3943	755040.5609
80297	2105+57.51	-58.68'	190223.2871	755045.1346
80298	2105+47.04	-80.28'	190224.3766	755021.1522
80299	2105+57.01	-81.53'	190233.7398	755024.8112
80300	2105+36.35	-68.25'	190209.2472	755026.6322
80301	2105+68.17	-71.59'	190238.8161	755038.8667
80389	2104+24.47	-25.02'	190090.2334	755011.3059
80390	2104+42.63	-24.25'	190105.8881	755020.6432
80391	2107+44.83	-24.94'	190371.8720	755164.0799
80392	2107+44.67	-26.93'	190372.6851	755162.2526
80393	2107+94.05	-21.39'	190413.4514	755190.6635
80394	2109+20.80	-40.73'	190534.0983	755234.0778
80395	2109+21.19	-35.97'	190532.1708	755238.4414
80397	2105+73.86	-10.56'	190214.6087	755095.1789
80398	2105+74.50	-0.56'	190210.4046	755104.2655



										GG-05	
ADDENDA / REVISIONS					0306090 SCALE FEET	DOUBLE BRIDGES ROAD PATHWAY, MUDDY NECK TO NEPTUNE DRIVE	CONTRACT	BRIDGE NO.	N/A	GRADES AND GEOMETRICS	SECTION
							T201769009	DESIGNED BY:	T. BANEZ		CEN
							COUNTY	CHECKED BY:	J. HERMES		SHEET NO.
							SUSSEX				22

SECTION 600

1.

PORTLAND CEMENT CONCRETE:

USE PORTLAND CEMENT CONCRETE FOR CAST-IN-PLACE ELEMENTS AS FOLLOWS:
(f'c = 28-DAY COMPRESSIVE STRENGTH)
CLASS A - (ABUTMENTS AND PIER CAPS), (f'c = 4.5 ksi)
CLASS D - (BRIDGE DECK), (f'c = 4.5 ksi)

-CHAMFER ALL EXPOSED EDGES ¾" X ¾" UNLESS OTHERWISE NOTED.
2.

BAR REINFORCEMENT:

-REINFORCING STEEL SHALL CONFORM TO AASHTO M31 (ASTM A615), GRADE 60.
-REINFORCING STEEL SHALL HAVE A 3" CLEAR COVER IF CAST AGAINST EARTH OR A 2" CLEAR COVER ELSEWHERE, UNLESS OTHERWISE SPECIFIED ON THE PLANS.
-ALL REINFORCING STEEL SHALL BE PROTECTED WITH FUSION BONDED EPOXY. EPOXY COATED REINFORCING STEEL SHALL CONFORM TO ASTM A775.
-ANY FIELD CUTTING OR FIELD BENDING MUST BE APPROVED BY THE ENGINEER. PAYMENT SHALL BE INCIDENTAL TO THE BAR REINFORCEMENT ITEM.
-WELDING OF REINFORCEMENT DURING FABRICATION OR CONSTRUCTION IS NOT PERMITTED UNLESS SPECIFIED.
3.

CONCRETE SEALER:

SEAL THE BRIDGE DECK WITH A SILANE SEALER. PAYMENT SHALL BE MADE UNDER THE APPROPRIATE PAY ITEMS AS DESIGNATED IN THE PLANS.
4.

TIMBER:

SOUTHERN YELLOW PINE, NO. 2 OR BETTER. DECK BOARDS SHALL BE FASTENED WITH TWO (2) SELF TAPPING #10 STAINLESS STEEL SCREWS AT EACH SUPPORT BEAM. SPACING SHALL MEET ADA STANDARDS. TIMBER SIZES SHOWN ON THE PLANS ARE NOMINAL.

HARDWARE FOR TIMBER COMPONENTS SHALL BE ASTM F593 STAINLESS STEEL BOLTS WITH ASTM F594 NUTS AND SS304 OR SS316 WASHERS. THESE FASTENERS ARE INCIDENTAL TO ITEM 621001 - WOOD STRUCTURES, TIMBER.

ANCHOR BOLTS FOR ABUTMENTS SHALL BE 3/4 INCH DIAMETER AISI 304 OR AISI 316 STAINLESS STEEL MEETING THE REQUIREMENTS OF ASTM F593. PAID UNDER ITEM 610002 - P.C.C. MASONRY, ABUTMENT ABOVE FOOTING, CLASS A.

JOIST HANGERS SHALL BE SIMPSON STRONG-TIE LU28 OR APPROVED EQUAL. INCIDENTAL TO ITEM 621001 - WOOD STRUCTURES, TIMBER.

5.

STRUCTURAL STEEL:

STRUCTURAL STEEL FOR THE PREFABRICATED STEEL BRIDGE SHALL BE DETERMINED BY THE BRIDGE MANUFACTURER, EXCEPT THAT WEATHERING STEEL IS NOT PERMITTED. STEEL SHALL BE PAINTED AS PER COLOR CHIP 17038 (BLACK) FEDERAL STD. 595C.

ANCHOR BOLTS AND ASSOCIATED HARDWARE FOR STRUCTURAL STEEL SHALL BE 3/4 INCH DIAMETER AISI 304 OR AISI 316 STAINLESS STEEL MEETING THE REQUIREMENTS OF ASTM F593 OR PER BRIDGE MANUFACTURER REQUIREMENTS. PAYMENT IS INCIDENTAL TO ITEM 615001 - STEEL STRUCTURES.

MISCELLANEOUS NOTES

6.

DESIGN SPECIFICATIONS:

(A) DELDOT BRIDGE DESIGN MANUAL, 2023 EDITION
(B) AASHTO LRFD BRIDGE SPECIFICATIONS, 2017, 8TH EDITION, CUSTOMARY U.S. UNITS.
(C) AASHTO LRFD PEDESTRIAN BRIDGE SPECIFICATIONS, 2009, 2TH EDITION, CUSTOMARY U.S. UNITS.
(D) PROVIDE MATERIALS AND PERFORM WORK IN ACCORDANCE WITH THE DELDOT STANDARD SPECIFICATIONS, JANUARY 2025.
7.

LOADING:

-DESIGN LIVE LOADS INCLUDE A 90 PSF PEDESTRIAN LIVE LOAD AND A HS-10 VEHICLE LIVE LOADING.
-THERMAL LOADS AND MOVEMENTS ARE BASED ON THE MODERATE TEMPERATURE RANGE AS STIPULATED IN THE AASHTO LRFD DESIGN SPECIFICATIONS AS STEEL 0 TO 120 DEGREES F AND CONCRETE 10 TO 80 DEGREES F . THE NORMAL TEMPERATURE SHALL BE CONSIDERED TO BE 68° F.
8.

HYDRAULIC DATA:

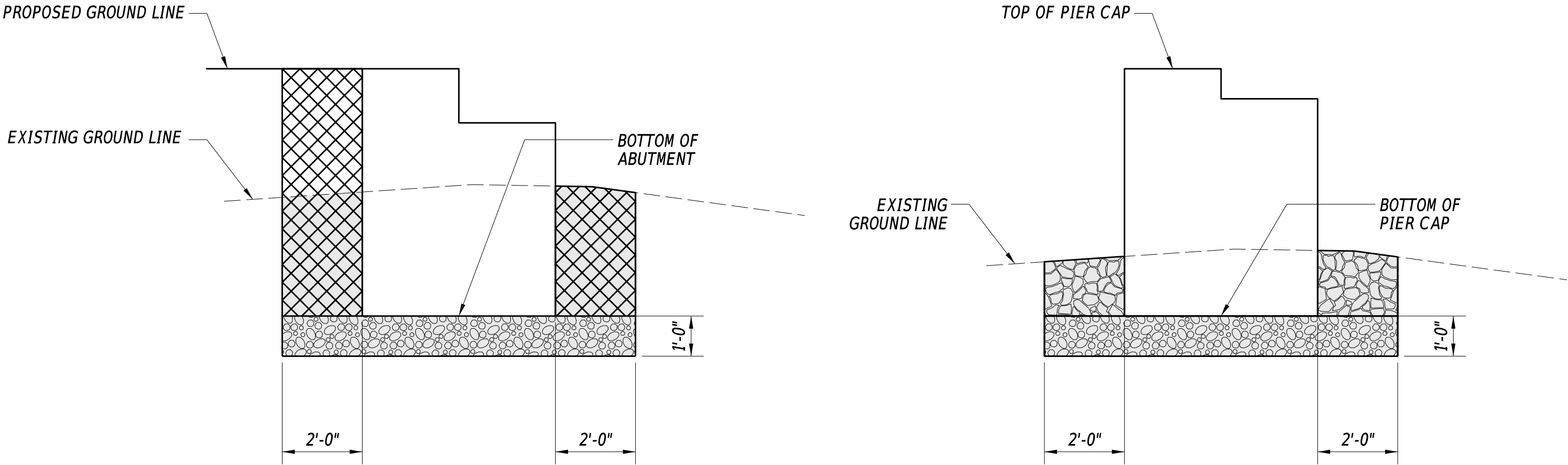
THIS STRUCTURE IS LOCATED ADJACENT TO AND DOWNSTREAM FROM EXISTING STRUCTURE 3-455 AND PROVIDES A LARGER HYDRAULIC OPENING THAN THE EXISTING STRUCTURE, THEREFORE ALL HYDRAULIC DATA WILL MEET OR EXCEED REQUIREMENTS.
9.

HELICAL PILES:

HELICAL PILES SHOWN ON PLANS ARE FOR INFORMATION PURPOSES ONLY. PILES ARE TO BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF DELAWARE WITH SIGNED AND SEALED PLANS AND CALCULATIONS PROVIDED TO THE STATE FOR REVIEW. PAID FOR UNDER ITEM 605503 - HELICAL PILES

INDEX OF BRIDGE SHEETS	
BR. SHEET NO.	TABLE OF CONTENTS
24	PROJECT NOTES
25	BRIDGE PROFILE
26	BRIDGE LAYOUT AND PILE PLAN
27	BRIDGE PLAN, ELEVATION & SECTION
28	ABUTMENT PLAN, ELEVATION & SECTION
29	PIER CAP PLAN, ELEVATION & SECTION
30	REINFORCEMENT BAR LIST
31	BOARDWALK APPROACH SECTION AND DETAILS
32	BOARDWALK DETAILS
33	BORING LOG - I
34	BORING LOG - II
TOTAL BRIDGE SHEETS: 11	

QUANTITIES			
ITEM NO.	ITEM TITLE	UNIT	QUANTITY
207001	PIPE, CULVERT, AND STRUCTURE BACKFILLING	C.Y.	20.00
207002	PIPE, CULVERT, AND STRUCTURE EXCAVATION	C.Y.	32.00
207021	STRUCTURAL BACKFILL, BORROW TYPE C, PROVIDING ONLY	C.Y.	20.00
302005	DELAWARE NO. 57 STONE	TON	22.00
605503	HELICAL PILES	EACH	24.00
610002	PORTLAND CEMENT CONCRETE MASONRY, ABUTMENT ABOVE FOOTING, CLASS A	C.Y.	13.00
610004	PORTLAND CEMENT CONCRETE MASONRY, PIER ABOVE FOOTING, CLASS A	C.Y.	7.00
610017	PORTLAND CEMENT CONCRETE MASONRY, SUPERSTRUCTURE, CLASS D	C.Y.	6.00
611001	BAR REINFORCEMENT, EPOXY COATED	L.B.	2510.00
613002	SILANE-BASED CONCRETE DECK SEALER	S.F.	420.00
615001	STEEL STRUCTURES	L.S.	1.00
621001	WOOD STRUCTURES, TIMBER	M.F.B.M.	2.80
624013	COMPRESSION SEAL, 1"	L.F.	28.00
707002	RIPRAP, R-5	S.Y.	37.00
708002	GEOTEXTILES, SEPARATION	S.Y.	136.00



ABUTMENT EXCAVATION AND BACKFILL LIMITS

NOT TO SCALE

PIER EXCAVATION AND BACKFILL LIMITS

NOT TO SCALE

LEGEND

- = 207002 - PIPE, CULVERT, AND STRUCTURE EXCAVATION
- = 207001 - PIPE, CUVERT, AND STRUCTURE BACKFILLING
207023 - STRUCTURAL BACKFILL, BORROW TYPE C, PROVIDING ONLY
- = 302005 - DELAWARE NO. 57 STONE
- = 707002 - RIPRAP, R-5

ADDENDA / REVISIONS	

NOT TO SCALE

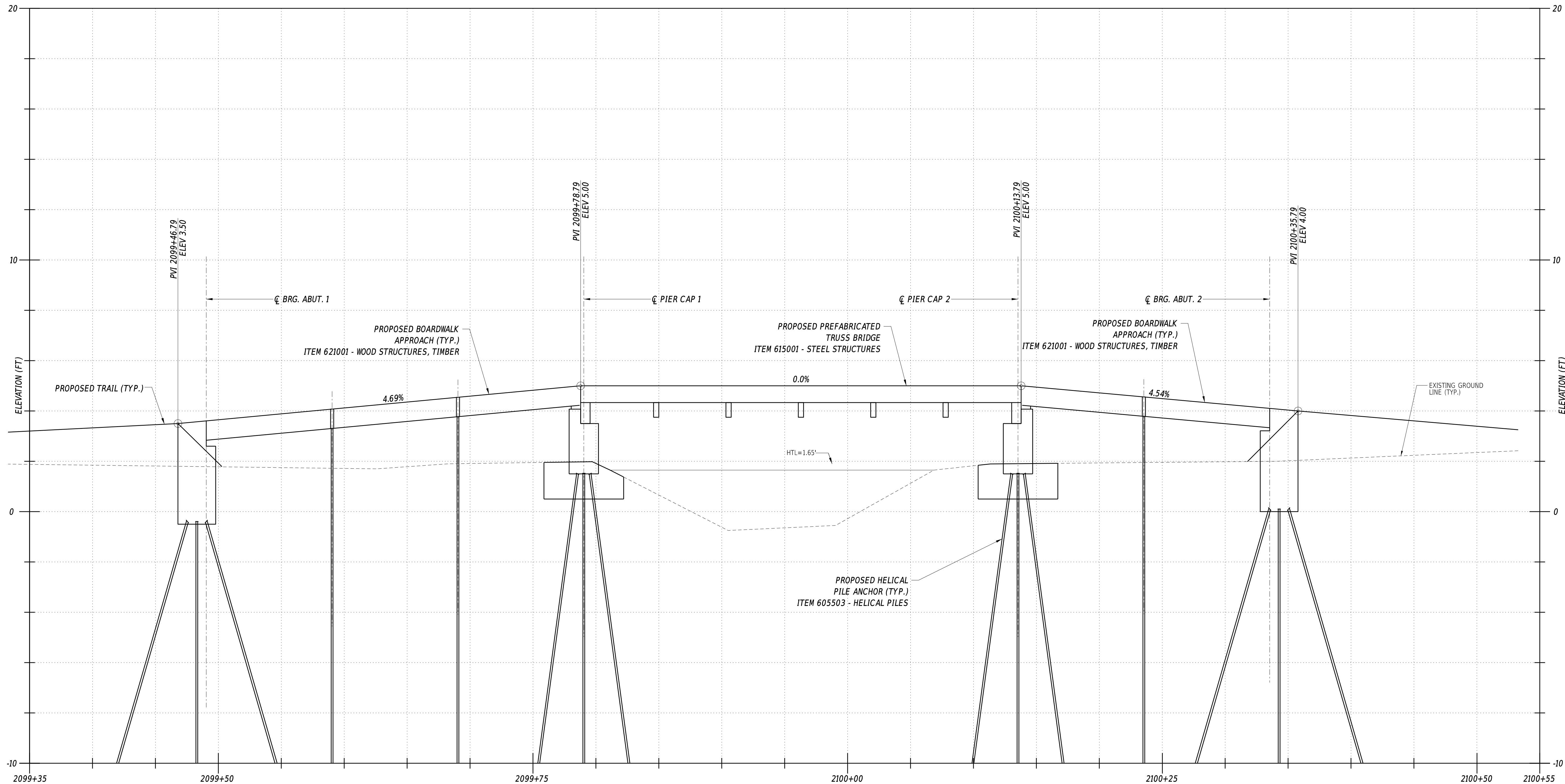
DOUBLE BRIDGES ROAD PATHWAY, MUDDY NECK TO NEPTUNE DRIVE

CONTRACT	BRIDGE NO.	3-455P
T201769009	DESIGNED BY: B. CURTIS	
COUNTY	CHECKED BY: C. PERCY	
SUSSEX		

BRIDGE PLAN PROJECT NOTES

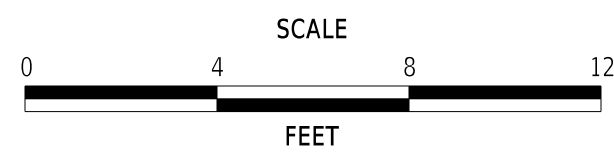
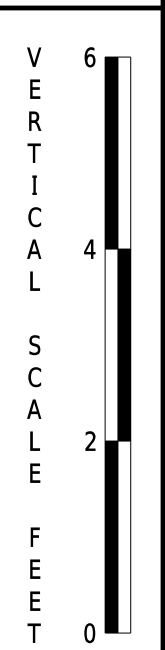
SECTION
CEN
SHEET NO.
24

6-MAY-2026 13:43 L:\Delaware Department of Transportation\20235417.011A-T11 - T201769009 Double Br\Working\55002.24 (Task 24, Double Bridges)\CADD FILES\Sheets\Bridge\02_PFI01_DB.dgn



DOUBLE BRIDGES ROAD BOARDWALK AND BRIDGE PROFILE
STATION 2099+35 TO 2100+55
NOTE: BRIDGE AND BOARDWALK RAILINGS NOT SHOWN FOR CLARITY.

NOTE:
PILE LENGTH TO BE DETERMINED PER MANUFACTURER'S DESIGN.

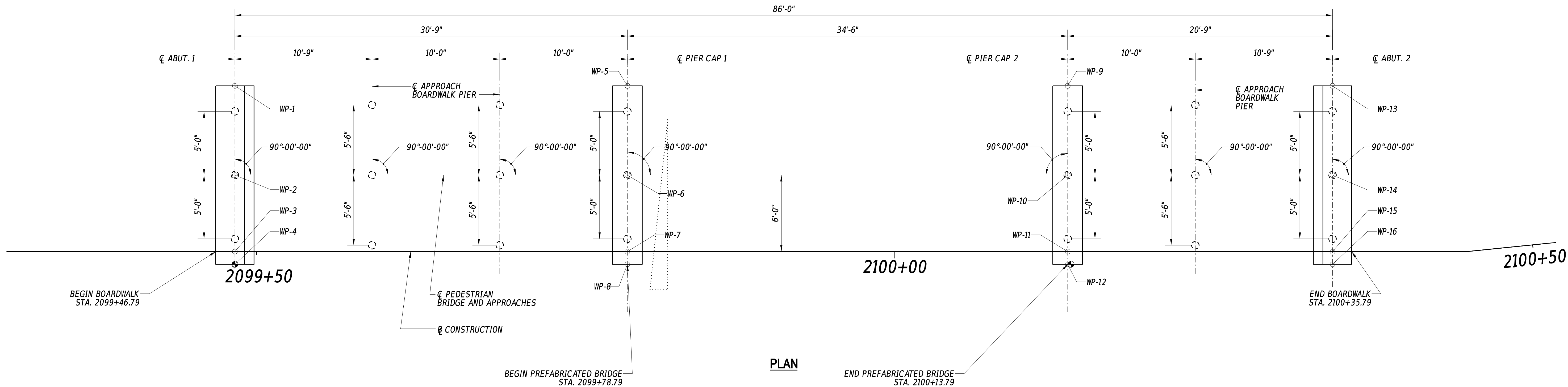
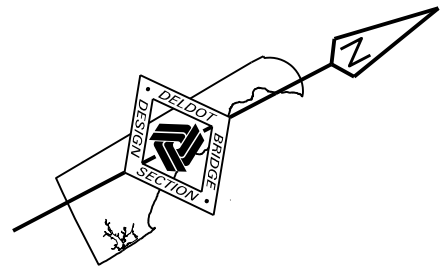


**DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE**

CONTRACT	BRIDGE NO.	3-455P
T201769009	DESIGNED BY:	B. CURTIS
COUNTY	CHECKED BY:	C. PERCY
SUSSEX		

BRIDGE PROFILE

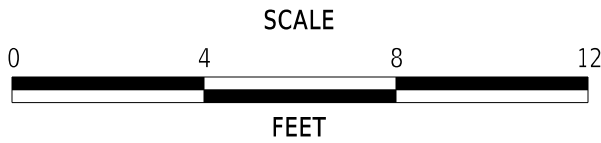
SECTION
CEN
SHEET NO.
25



PLAN

WORKING POINTS				
PT.	STATION	OFFSET	NORTHING	EASTING
WP-1	2099+48.29	-13.00	189660.3200	754805.9345
WP-2	2099+48.29	-6.00	189657.0713	754812.1350
WP-3	2099+48.29	0.00	189654.2867	754817.4497
WP-4	2099+48.29	1.00	189653.8226	754818.3355
WP-5	2099+79.04	-13.00	189687.5578	754820.2055
WP-6	2099+79.04	-6.00	189684.3092	754826.4060
WP-7	2099+79.04	0.00	189681.5246	754831.7207
WP-8	2099+79.04	1.00	189681.0605	754832.6064
WP-9	2100+13.54	-13.00	189718.1174	754836.2168
WP-10	2100+13.54	-6.00	189714.8687	754842.4173
WP-11	2100+13.54	0.00	189712.0841	754847.7320
WP-12	2100+13.54	1.00	189711.6200	754848.6178
WP-13	2100+34.29	-13.00	189736.4974	754845.8468
WP-14	2100+34.29	-6.00	189733.2487	754852.0473
WP-15	2100+34.29	0.00	189730.4642	754857.3620
WP-16	2100+34.29	1.00	189730.0001	754858.2478

ADDENDA / REVISIONS

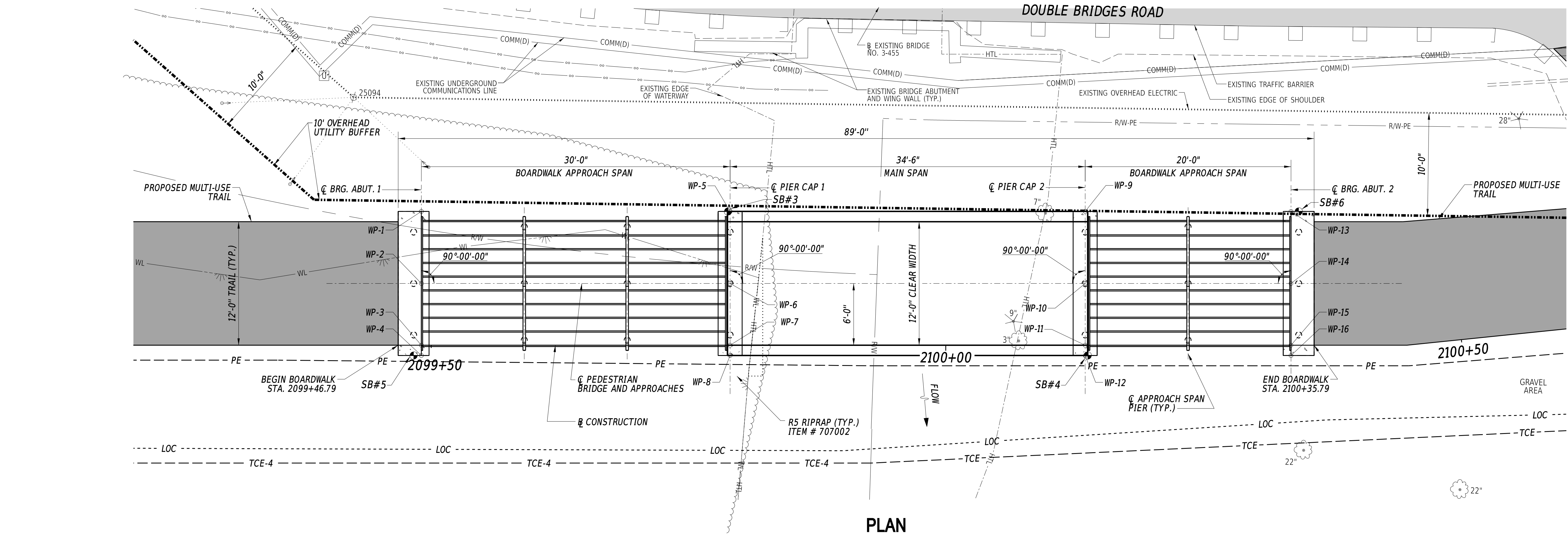


DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

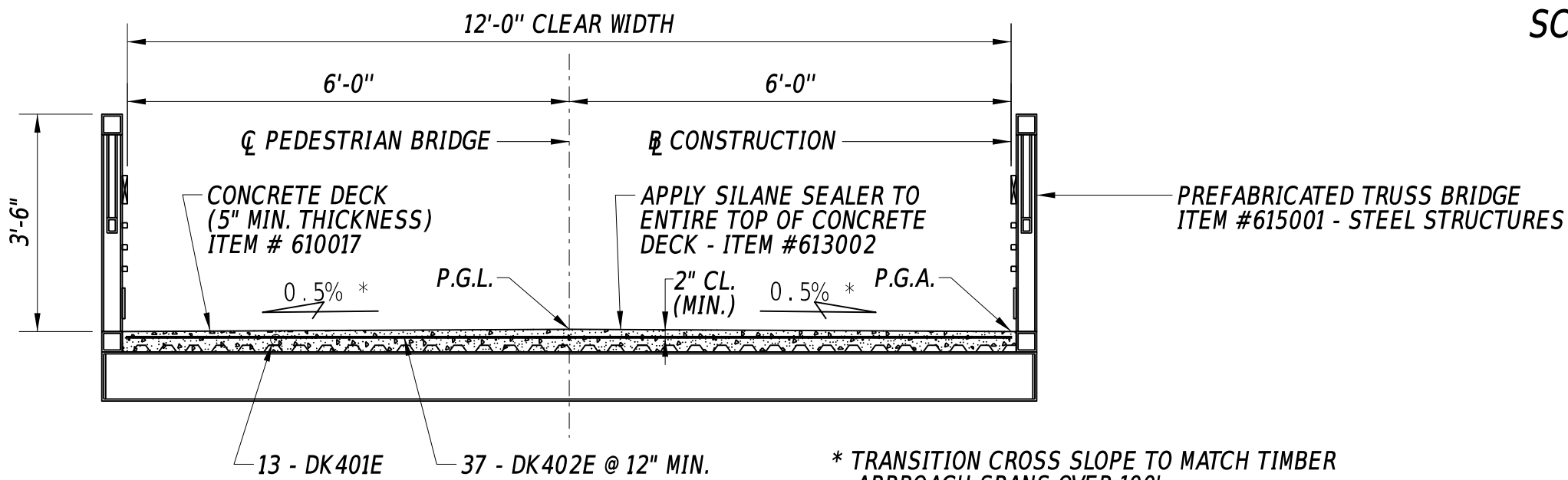
CONTRACT	BRIDGE NO.	3-455P
T201769009	DESIGNED BY:	B. CURTIS
COUNTY	CHECKED BY:	C. PERCY
SUSSEX		

BRIDGE LAYOUT
AND PILE PLAN

SECTION
CEN
SHEET NO.
26

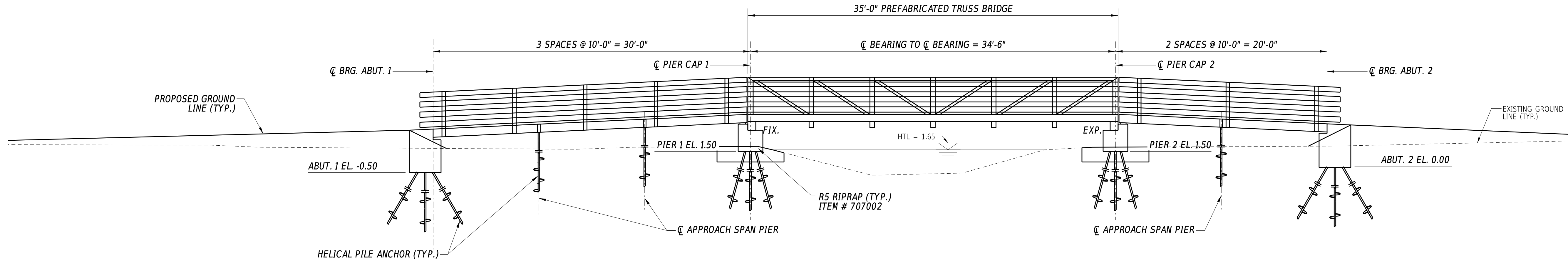


PLAN
SCALE : $\frac{3}{16}" = 1'-0"$



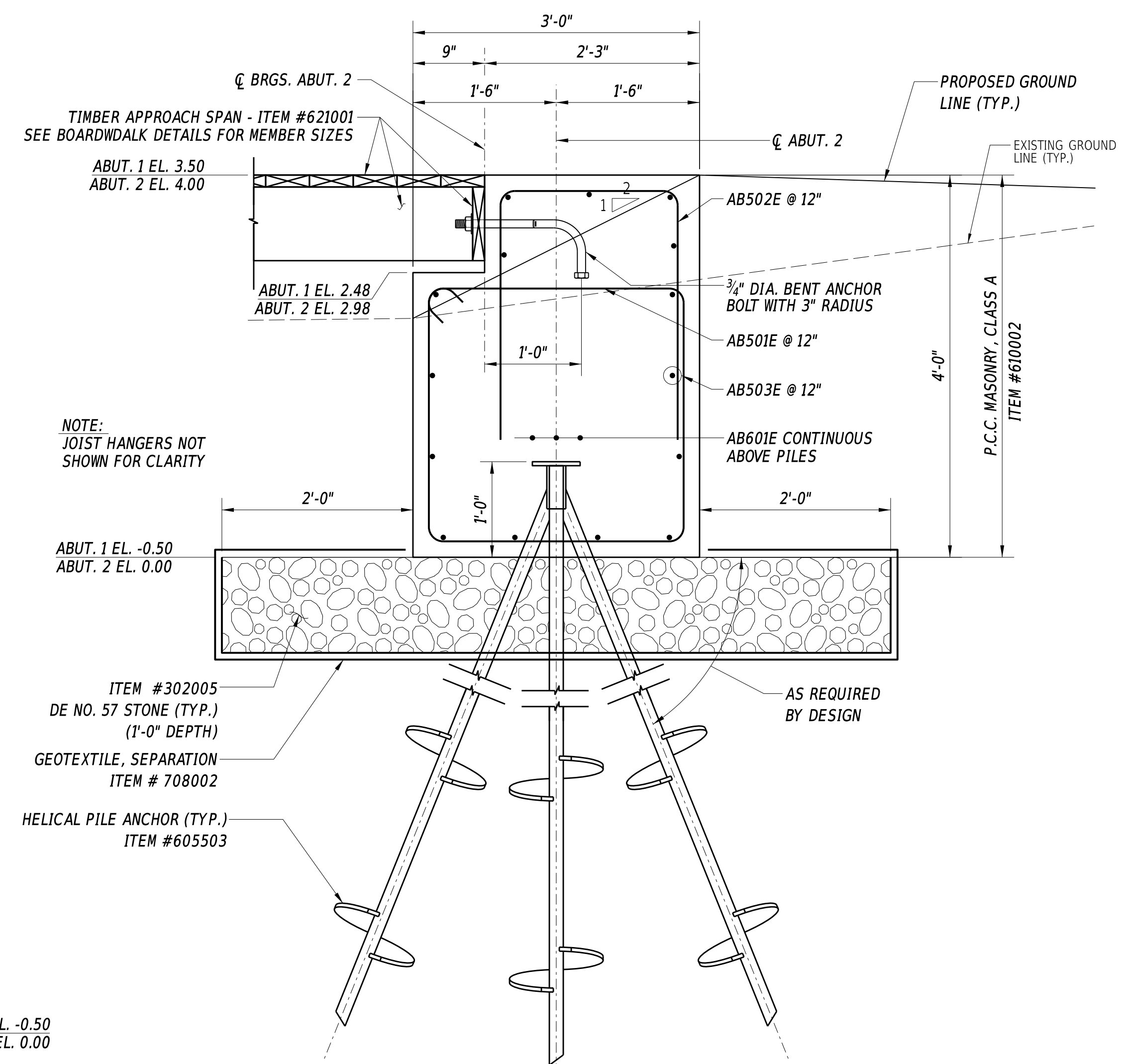
SECTION
SCALE : $\frac{1}{2}" = 1'-0"$

- NOTES:
- FOR WORKING POINTS, SEE BRIDGE LAYOUT AND PILE PLAN SHEET
 - FOR ABUTMENT DETAILS, SEE ABUTMENT PLAN, ELEVATION & SECTION SHEET
 - FOR PIER CAP DETAILS, SEE PIER CAP PLAN, ELEVATION & SECTION SHEET
 - FOR BOARDWALK DETAILS, SEE BOARDWALK APPROACH SECTION AND DETAILS SHEET



ELEVATION
SCALE : $\frac{3}{16}" = 1'-0"$

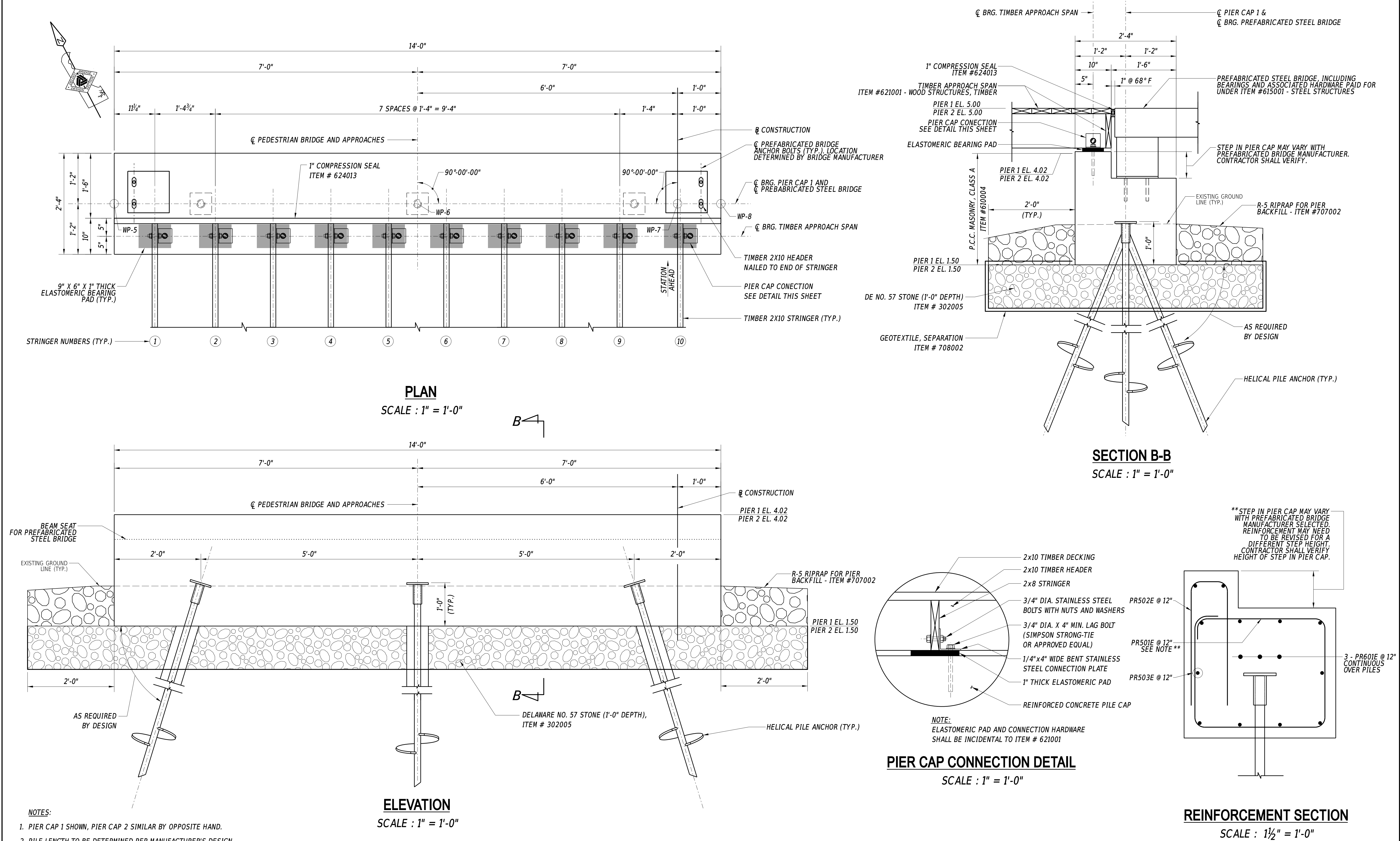
ADDENDA / REVISIONS		SCALE AS NOTED	DOUBLE BRIDGES ROAD PATHWAY, MUDDY NECK TO NEPTUNE DRIVE	CONTRACT	BRIDGE NO.	3-455P	BRIDGE PLAN, ELEVATION & SECTION	SECTION
				T201769009	DESIGNED BY:	B. CURTIS		CEN
				COUNTY	CHECKED BY:	C. PERCY		SHEET NO.
				SUSSEX				27



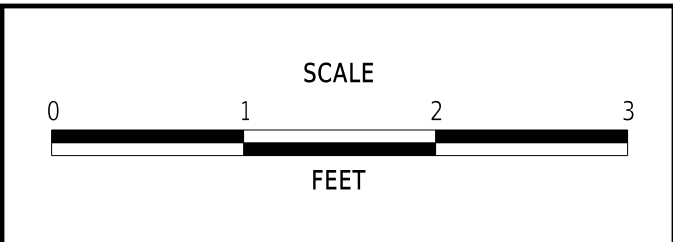
A horizontal number line labeled "SCALE" and "FEET". It has tick marks at 0, 1, and 2. The segment from 0 to 1 is shaded black, and the segment from 1 to 2 is shaded white.

SECTION
CEN
SHEET NO.
28

NOTE:
PILE LENGTH TO BE DETERMINED PER MANUFACTURER'S DESIGN.



ADDENDA / REVISIONS	



DOUBLE BRIDGES ROAD PATHWAY, MUDDY NECK TO NEPTUNE DRIVE	CONTRACT	BRIDGE NO.	3-455P	PIER CAP PLAN, ELEVATION & SECTION	SECTION
	T201769009	DESIGNED BY:	B. CURTIS		CEN
	COUNTY	CHECKED BY:	C. PERCY		SHEET NO.
	SUSSEX				29

- AB = ABUTMENT, AS = APPROACH SLAB, BC = BOX CULVERT, BW = BACKWALL, CK = CHEEKWALL, CL = COLUMN, DK = DECK, DL = DOWEL, FT = FOOTING, HW = HEADWALL, MB = MISC. BARS, MS = MOMENT SLAB, PA = PARAPET, PR = PIER, RF = RIGID FRAME, SC = SHEETPILE CAP, SS = SLEEPER SLAB, TW = TOEWALL, WL = WALL (UNIQUE LOCATION), WW = WINGWALL

[illegible][illegible]

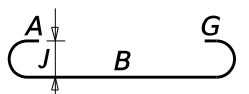
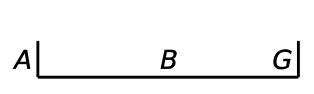
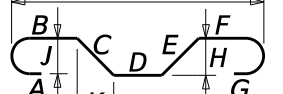
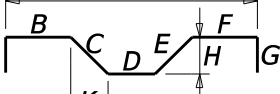
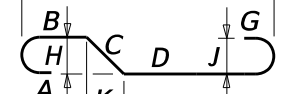
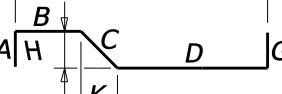
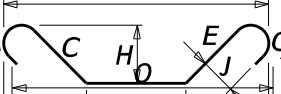
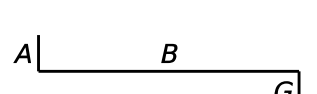
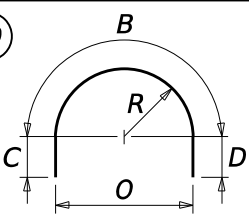
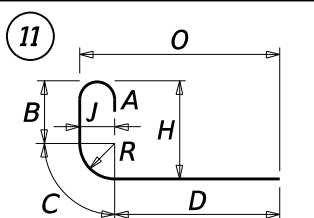
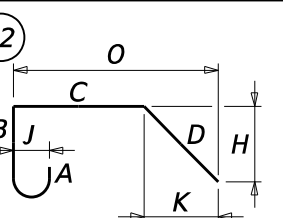
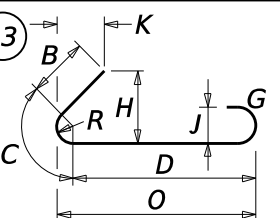
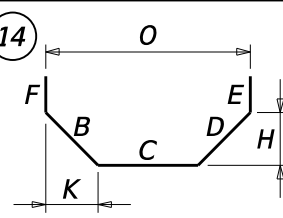
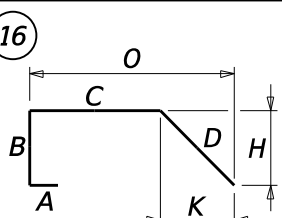
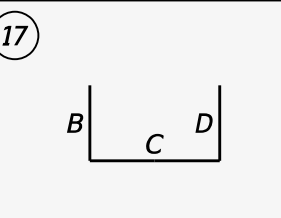
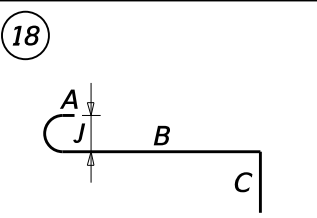
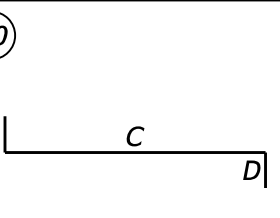
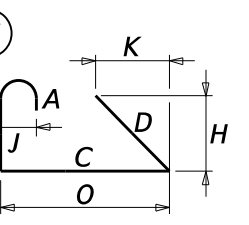
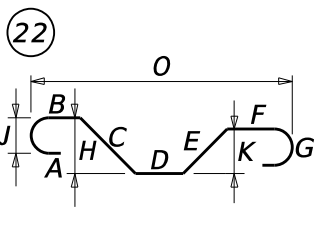
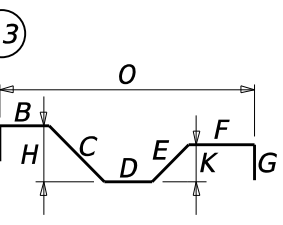
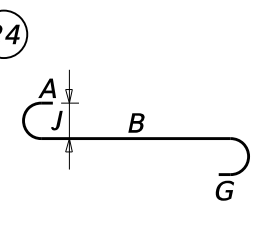
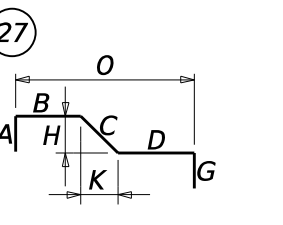
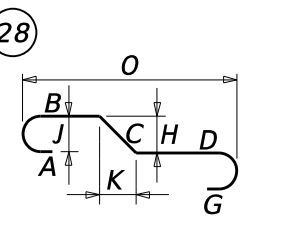
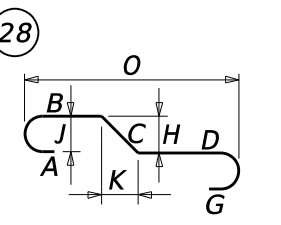
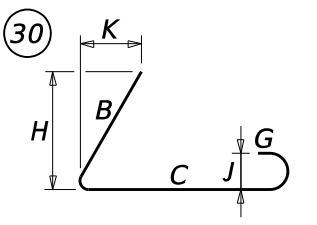
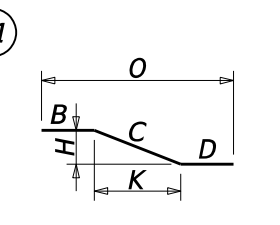
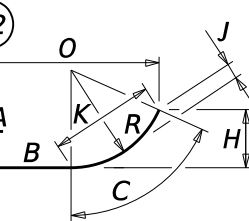
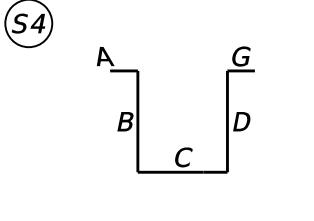
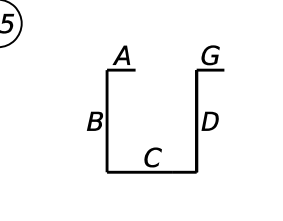
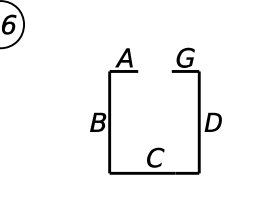
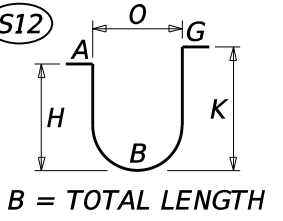
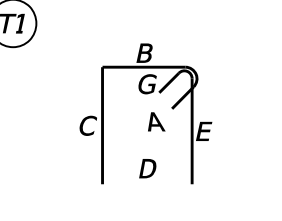
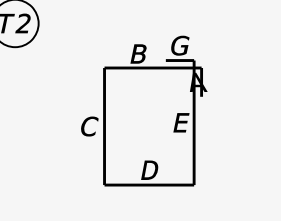
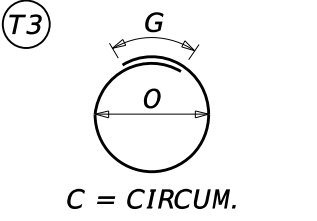
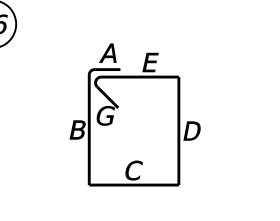
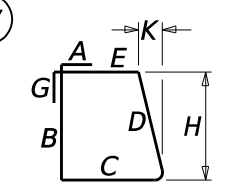
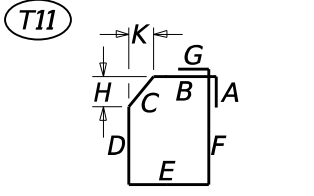
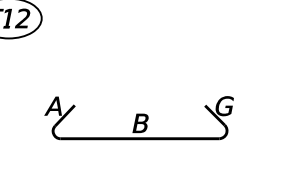
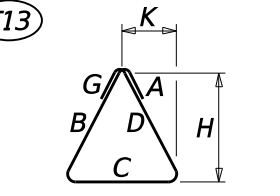
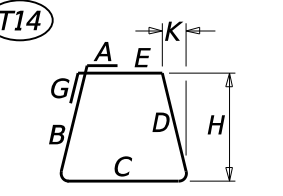
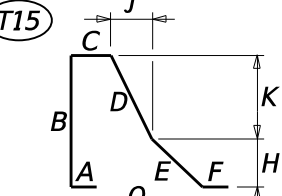
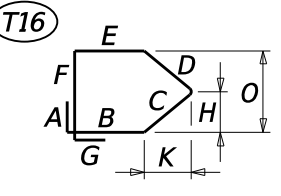
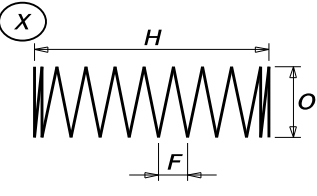
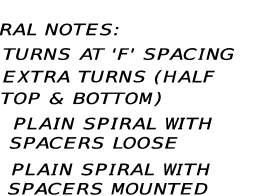
NOTES:

1. FIGURES SHOWN IN CIRCLES REPRESENT BAR BEND TYPES.
2. STANDARD BAR BENDS INCLUDE ONLY THOSE TYPES BELOW, INDICATED AS SUCH.
3. ALL DIMENSIONS OUT-TO-OUT, EXCEPT "A" AND "G" ON STD. 180° AND 135° HOOKS.
4. "J" DIMENSIONS ON 180° HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE, OTHERWISE STANDARD 'ACI' HOOKS ARE TO BE USED.
5. WHERE "J" IS NOT SHOWN, "J" WILL BE KEPT EQUAL TO OR LESS THAN "H" ON TYPES 3, 5 AND 22. WHERE "J" CAN EXCEED "H", IT SHALL BE SHOWN.
6. "H" DIMENSIONS OF STIRRUPS TO BE SHOWN AS NEEDED TO FIT WITHIN THE CONCRETE.
7. UNLESS OTHERWISE NOTED, DIAMETER "D" IS THE SAME FOR ALL BENDS AND HOOKS ON A BAR (EXCEPT FOR BEND TYPES 11 AND 13).
8. WHERE SLOPE DIFFERS FROM 45° OFFSET, "H" AND "K" MUST BE SHOWN.
9. WHERE BARS ARE TO BE BENT MORE ACCURATELY THAN STANDARD BENDING TOLERANCES, BENDING DIMENSIONS REQUIRING CLOSER FABRICATION SHOULD HAVE LIMITS INDICATED.
10. FOR RECOMMENDED DIAMETER "D", OF BENDS, HOOKS, ETC., REFER TO TABLE ABOVE, 'CRS' OR 'ACI' TABLES WHERE APPLICABLE AND REQUIRED.
11. TYPE S1-S6, S11, T1-T3 AND T6-T9 APPLICABLE TO BAR SIZES #3 THROUGH #8.

180° AND 90° END HOOKS

180°

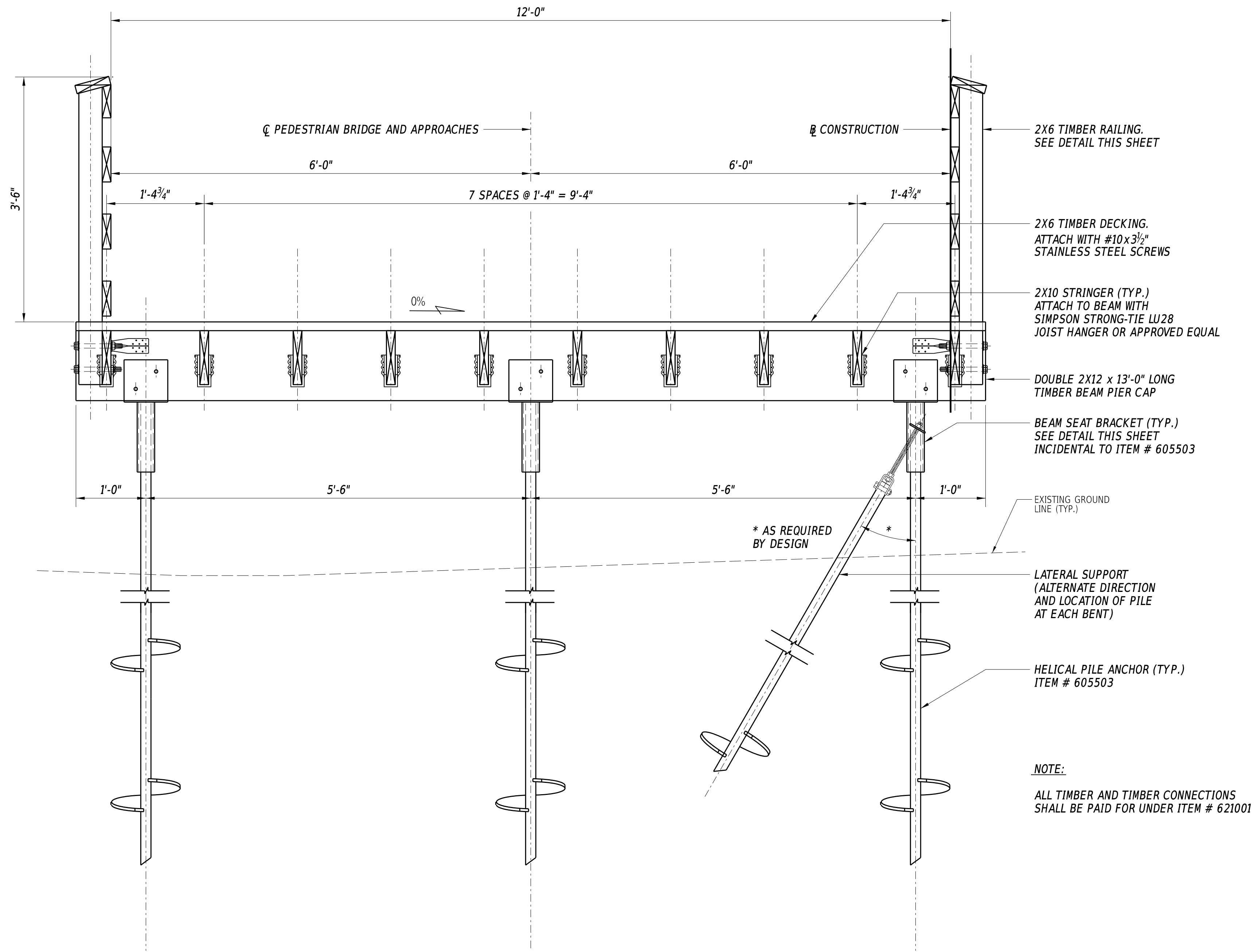
90°

STANDARD BAR BENDS									
① 	② 	③ 	④ 	⑤ 	⑥ 	⑦  $B = \text{TOTAL LENGTH}$	⑧ 	⑨ 	
⑩ 	⑪ 	⑫ 	⑬ 	⑭ 	⑮ 	⑯ 	⑰ 	⑱ 	
㉑ 	㉒ 	㉓ 	㉔ 	㉕ 	㉖ 	㉗ 	㉘ 	㉙ 	
㉚ 	㉛ 	㉜ 	㉝ 	㉞  $B = \text{TOTAL LENGTH}$	㉟ 	㊱ 	㊲ 	㊳  $C = \text{CIRCUM.}$	
㊴ 	㊵ 	㊶ 	㊷ 	㊸ 	㊹ 	㊺ 	㊻ 	㊼ 	

SPIRAL NOTES:
J = TURNS AT 90° SPACING
K = EXTRA TURNS (HALF TOP & BOTTOM)
PLAIN SPIRAL WITH SPACERS LOOSE
PLAIN SPIRAL WITH SPACERS MOUNTED

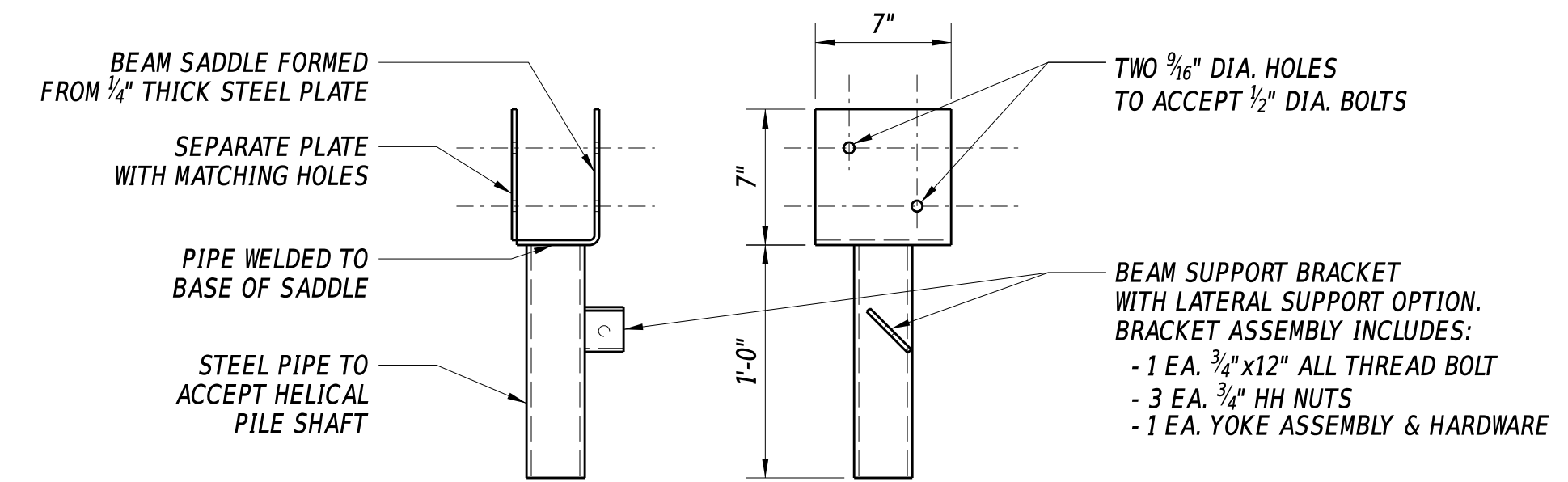
XL
XM

6-MAY-2026
13:44
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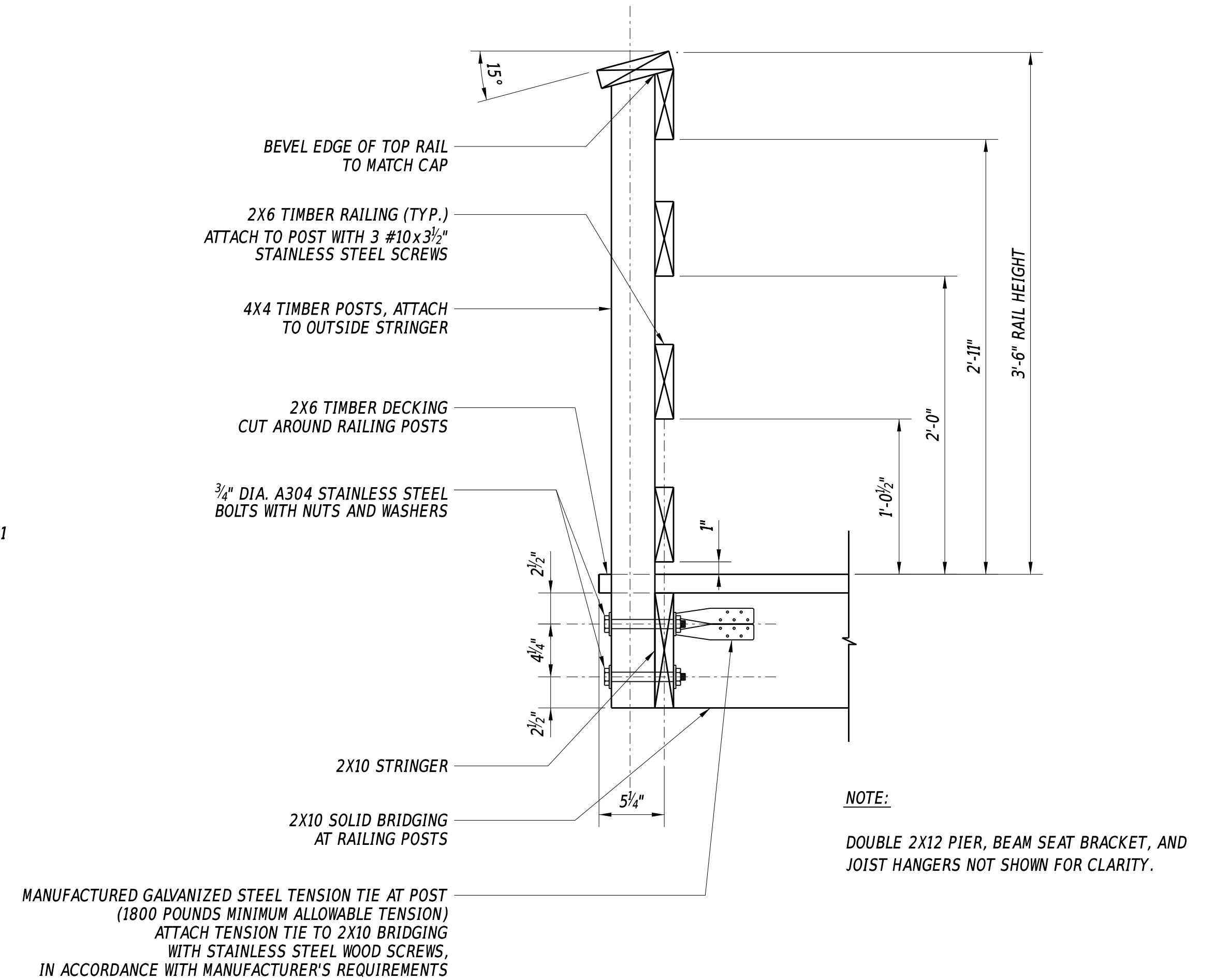
TYPICAL BOARDWALK SECTION

SCALE : 1" = 1'-0"



BEAM SEAT BRACKET DETAIL

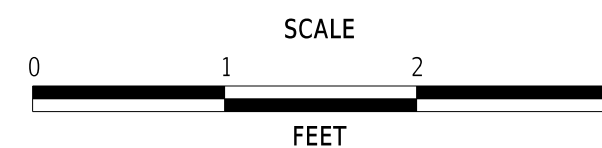
SCALE : 1 1/2" = 1'-0"



RAILING DETAIL

SCALE : 1 1/2" = 1'-0"

ADDENDA / REVISIONS



**DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE**

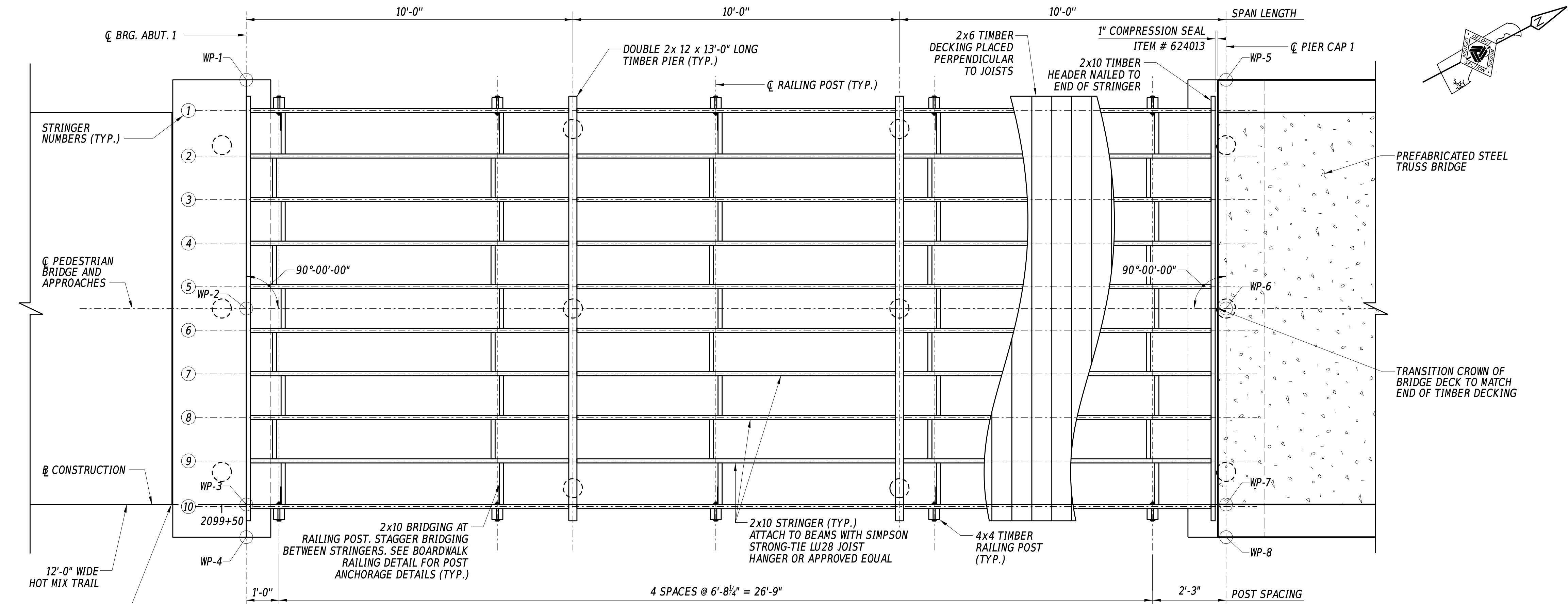
CONTRACT
T201769009
COUNTY
SUSSEX

BRIDGE NO.
3-455P
DESIGNED BY: B. CURTIS
CHECKED BY: C. PERCY

**BOARDWALK APPROACH
SECTION AND DETAILS**

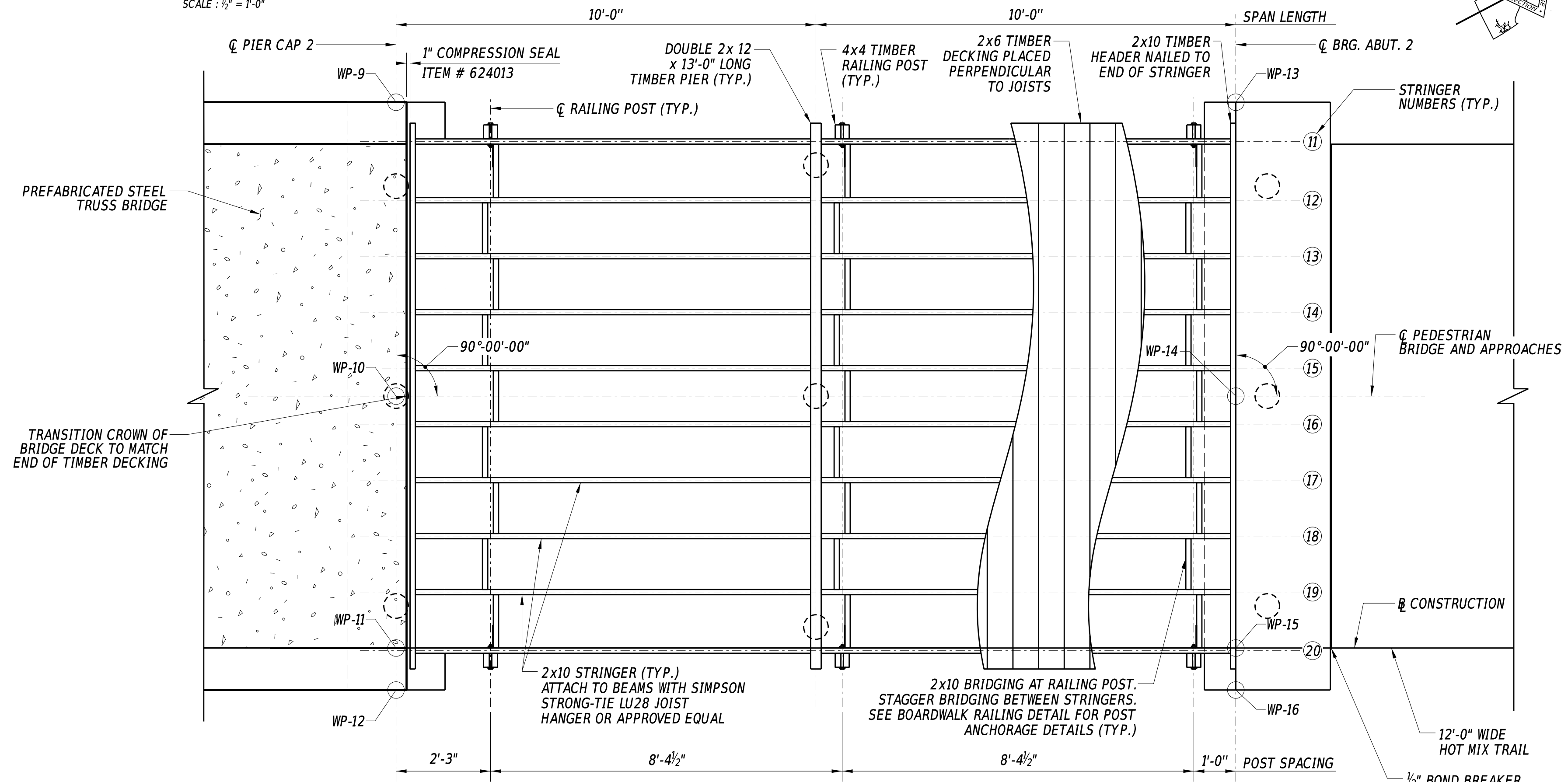
SECTION
CEN
SHEET NO.
31

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WEST BOARDWALK DETAIL

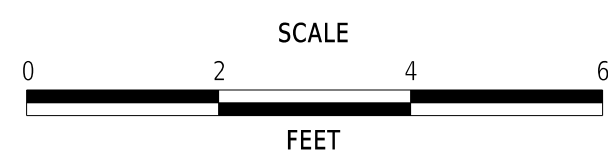
SCALE : 1/2" = 1'-0"



EAST BOARDWALK DETAIL

SCALE : 1/2" = 1'-0"

ADDENDA / REVISIONS



**DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE**

CONTRACT	BRIDGE NO.	3-455P
T201769009	DESIGNED BY:	B. CURTIS
COUNTY	CHECKED BY:	C. PERCY
SUSSEX		

BOARDWALK DETAILS

SECTION
CEN
SHEET NO.
32

BORING: B-3				DATE DRILLED: 4/10/2024		
STATION: 2099+78.8 OFFSET: 13.0 LEFT				ELEVATION: 1		
COMMENTS:				NORTHING: 189687.3818 EASTING: 754820.1132		
DEPTH (FT.)	NO.	SAMPLE DEPTH	Blows/6"	SAMPLE DESCRIPTION	CLASS./G.I.	REMARKS
0.0	1			TOP SOIL: DARK BROWN, MOIST TO WET, SOFT		TOPSOIL 2"
	2	2.5'	2	CLAY TRACE FINE SAND: GRAY, WET, MEDIUM STIFF		
			3			
			4			
	3	5.0'	1	POORLY GRADED SAND WITH SILT FINE GRAINED: GREY, WET, LOOSE		
			3			
5.0			5			
	4	7.5'	4	POORLY GRADED SAND WITH SILT FINE GRAINED: GRAY, WET, MEDIUM DENSE		
			5			
			6			
	5	10.0'	5	SILTY SAND FINE GRAINED: GRAY, WET, MEDIUM DENSE		
			2			
10.0			8			
	6			POORLY GRADED SAND WITH SILT FINE GRAINED: GRAY/BLACK, WET, MEDIUM DENSE		
	7	12.5'				
	8	15.0'	3			
			6			
15.0			9			
	9	17.5'		POORLY GRADED SAND WITH SILT FINE GRAINED: GRAY, WET, LOOSE TO MEDIUM DENSE		
	10	20.0'	4			
			6			
20.0			8			
	11	25.0'		POORLY GRADED SAND WITH SILT FINE GRAINED: GRAY, WET, LOOSE		
	12	30.0'		SILTY SAND FINE GRAINED: SMALL GRAVEL, DENSE AT 30 FT, GRAY, WET MEDIUM DENSE		
	13	35.0'		POORLY GRADED SAND FINE GRAINED: GRAY, WET, MEDIUM DENSE		
	14	40.0'		SILTY SAND FINE GRAINED: CLAY DENSE AT 40 FT, GRAY, WET MEDIUM DENSE		
	15	45.0'		WELL GRADED SAND WITH SILT FINE TO COARSE GRAINED: GRAY, WET, MEDIUM DENSE TO DENSE		
	16	50.0'		POORLY GRADED SAND WITH SILT FINE TO MEDIUM GRAINED: GRAY, WET, MEDIUM DENSE		
		55.0'		THE BORING WAS TERMINATED AT APPROXIMATELY 50 FT. BELOW GROUND SURFACE ON BORING TERMINATED AT REQUIRED DEPTH. THE BORING WAS NOT BACKFILLED AT TIME OF DRILLING COMPLETION BECAUSE 24HR WATER READINGS. THE BORING WAS BACKFILLED WITH AUGER CUTTINGS AND BENTONITE ON APRIL 02, 2024		GROUNDWATER WAS OBSERVED AT APPROXIMATELY 3 FT. BELOW GROUND SURFACE DURING DRILLING
		58.0'		CAVING WAS OBSERVED AT A DEPTH OF 5 ft. BELOW GROUND SURFACE REMOVAL OF AUGERS		

BORING: B-4				DATE DRILLED: 4/10/2024		
STATION: 2100+13.79 OFFSET: 1.0 RIGHT				ELEVATION: 1		
COMMENTS:				NORTHING: 189711.8415 EASTING: 75848.7338		
DEPTH (FT.)	NO.	SAMPLE DEPTH	Blows/6"	SAMPLE DESCRIPTION	CLASS./G.I.	REMARKS
0.0	1			TOP SOIL: DARK BROWN, WET, SOFT		TOPSOIL 2"
	2	2.5'	1	POORLY GRADED SAND FINE TO MEDIUM FILL: GREY/BROWN, WET, VERY LOOSE		
			1			
			1			
	3	5.0'		MARINE DEPOSITS POORLY GRADED SAND WITH SILT FINE TO MEDIUM GRAINED: BROWN, WET, MEDIUM DENSE		
	4	7.5'	4	POORLY GRADED SAND WITH SILT FINE GRAINED: GREY, WET, MEDIUM DENSE		
			7			
			8			
	5	10.0'	4	WELL GRADED SAND WITH SILT SOME GRAVEL: GREY, WET, MEDIUM DENSE		
			8			
			8			
	6					
	7	12.5'				
	8	15.0'	4	POORLY GRADED SAND WITH SILT FINE GRAINED: GREY, WET, MEDIUM DENSE		
			6			
15.0			6			
	9	17.5'				
	10	20.0'	4	POORLY GRADED SAND WITH SILT FINE GRAINED: GREY, WET, MEDIUM DENSE		
			5			
20.0			6			
	11	25.0'		POORLY GRADED SAND WITH SILT: GREY, WET, MEDIUM DENSE		
	12	30.0'		SILTY CLAY TRACE SAND: DARK, GREY, WET SOFT MEDIUM DENSE		
	13	35.0'		SHELBY TUBE SILTY CLAY TRACE FINE SAND MOTTLED: GREY/GREEN/BROWN, WET VERY STIFF		
	14	40.0'		POORLY GRADED SAND WITH SILT MOTTLED: GREY, WET, DENSE		
	15	45.0'		WELL GRADED SAND FINE TO COARSE GRAINED: GREY, WET, VERY DENSE		
	16	50.0'		WELL GRADED SAND FINE TO MEDIUM GRAINED: GREY, WET, DENSE		
		55.0'		THE BORING WAS TERMINATED AT APPROXIMATELY 50 FT. BELOW GROUND SURFACE ON BORING TERMINATED AT REQUIRED DEPTH. THE BORING WAS NOT BACKFILLED AT TIME OF DRILLING COMPLETION BECAUSE 24HR WATER READINGS. THE BORING WAS BACKFILLED WITH AUGER CUTTINGS AND BENTONITE ON APRIL 02, 2024		GROUNDWATER WAS OBSERVED AT APPROXIMATELY 3 FT. BELOW GROUND SURFACE DURING DRILLING
		58.0'		CAVING WAS OBSERVED AT A DEPTH OF 5 ft. BELOW GROUND SURFACE REMOVAL OF AUGERS		

NOTES:

1. THE INFORMATION SHOWN ON THIS SHEET IS BASED ON LIMITED INVESTIGATIONS, AND IS NO WAY WARRANTED TO BE INDICATIVE OF ACTUAL CONDITIONS WHICH MAY BE ENCOUNTERED DURING CONSTRUCTION. SEE SECTIONS 102.05 OF THE DELDOT STANDARD SPECIFICATIONS FOR MORE DETAIL.
2. LOCATION OF BORINGS ARE REFERENCED TO THE CONSTRUCTION PLAN AND LABELED AS 'B-3' AND 'B-4' RESPECTIVELY.

BORING: B-5		DATE DRILLED: 4/10/2024				
STATION: 2099+48.29 OFFSET: 1.0' RIGHT		ELEVATION: 189653.8226				
COMMENTS:		EASTING: 75818.3355				
DEPTH (FT.)	NO.	SAMPLE DEPTH	Blows/6"	SAMPLE DESCRIPTION	CLASS./G.I.	REMARKS
0.0	1			TOP SOIL: DARK BROWN, MOIST TO WET, SOFT		TOPSOIL 2"
	2	2.5'	3	POORLY GRADED SAND WITH SILT FINE GRAINED: YELLOW-BROWN, WET, LOOSE		
			3			
			4			
	3	5.0'	6	WELL GRADED SAND AND GRAVEL SOME SILT FINE TO MEDIUM GRAINED: YELLOW-BROWN, WET, MEDIUM DENSE		
5.0			8			
			12			
	4	7.5'	3	SILTY FINE SAND FINE GRAINED: GREY SILTY FINE SAND AT 7FT, BROWN, WET, MEDIUM DENSE		
			6			
			7			
	5	10.0'	3	POORLY GRADED SAND WITH SILT FINE GRAINED: DARK GREY, WET, MEDIUM DENSE		
			4			
10.0			7			
	6			SHELBY TUBE		
	7	12.5'				
	8	15.0'	6	POORLY GRADED SAND AND SILT FINE GRAINED: DARK GREY, WET, MEDIUM DENSE		
			9			
15.0			12			
	9	17.5'		POORLY GRADED SAND WITH SILT FINE GRAINED: BLACK, WET, MEDIUM DENSE		
	10	20.0'	4			
			6			
20.0			9			
		22.5'		POORLY GRADED SAND WITH SILT FINE GRAINED: BLACK, WET, MEDIUM DENSE		
	11	25.0'	5			
			5			
25.0			5			
		27.5'		POORLY GRADED SAND WITH SILT FINE GRAINED: BLACK, WET, LOOSE TO MEDIUM DENSE		
	12	30.0'	2			
			3			
30.0			7			
		32.5'		POORLY GRADED SAND SOME SILT FINE GRAINED, MOTTLED: GREY/BROWN, WET, MEDIUM DENSE		
	13	35.0'	8			
			9			
35.0			13			
		37.5'		POORLY GRADED SAND WITH SILT FINE GRAINED: BLACK, WET, MEDIUM DENSE		
	14	40.0'	3			
			5			
40.0			7			
		42.5'		SILTY CLAY SOME SAND FINE GRAINED: GREY, WET, VERY STIFF TO HARD		
	15	45.0'	15			
			26			
45.0			31			
		47.5'		WELL GRADED SAND WITH SILT FINE TO MEDIUM GRAINED: LIGHT GREY, WET, DENSE		
	16	50.0'	8			
			14			
50.0			21			
				THE BORING WAS TERMINATED AT APPROXIMATELY 50 FT. BELOW GROUND SURFACE ON BORING TERMINATED AT REQUIRED DEPTH. THE BORING WAS NOT BACKFILLED AT TIME OF DRILLING COMPLETION BECAUSE 24HR WATER READINGS. THE BORING WAS BACKFILLED WITH AUGER CUTTINGS AND BENTONITE ON APRIL 02, 2024		GROUNDWATER WAS OBSERVED AT APPROXIMATELY 2 FT. BELOW GROUND SURFACE 1 DAY AFTER DRILLING COMPLETION
55.0	55.0'					
						CAVING WAS OBSERVED AT A DEPTH OF 4 ft. BELOW GROUND SURFACE REMOVAL OF AUGERS
58.0	58.0'					

BORING: B-6		DATE DRILLED: 4/10/2024					
STATION: 2100+34.29 OFFSET: 13.0' LEFT		ELEVATION: 189736.4974					
COMMENTS:		EASTING: 754845.8468					
DEPTH (FT.)	NO.	SAMPLE DEPTH	Blows/6"	SAMPLE DESCRIPTION	CLASS./G.I.	REMARKS	
0.0	1			TOP SOIL: DARK BROWN, WET, SOFT		TOPSOIL 2"	
	2	2.5'	1	WELL GRADED SAND WITH SILT FINE TO COARSE GRAINED: GRAY, WET, LOOSE			
			1				
			4				
	3	5.0'	8	POORLY GRADED SAND WITH SILT FINE GRAINED: DARK BROWN, WET, MEDIUM DENSE			
			13				
5.0			17				
	4	7.5'	4	SILTY SAND TRACE GRAVEL FINE GRAINED, MOTTLED: GRAY/BROWN, WET, MEDIUM DENSE			
			6				
			7				
	5	10.0'	4	SILTY SAND TRACE GRAVEL FINE GRAINED, MOTTLED: GRAY/BROWN, WET, MEDIUM DENSE			
			6				
10.0			8				
	6	12.5'					
	7	15.0'	4	SILTY SAND TRACE GRAVEL FINE GRAINED, MOTTLED: GRAY/BROWN, WET, MEDIUM DENSE			
			5				
15.0			7				
	9	17.5'					
	10	20.0'	4	SILTY SAND TRACE GRAVEL FINE GRAINED, MOTTLED: GRAY/BROWN, WET, MEDIUM DENSE			
			7				
20.0			9				
		22.5'					
	11	25.0'	5	POORLY GRADED SAND WITH SILT FINE GRAINED: GRAY, WET, LOOSE TO MEDIUM DENSE			
			5				
25.0			5				
		27.5'					
	12	30.0'	1	SILTY CLAY TRACE SAND FINE GRAINED: GRAY, MOIST, STIFF			
			3				
30.0			9				
		32.5'		SHELBY TUBE			
	13	35.0'	5	SILTY CLAY TRACE SAND FINE GRAINED: GRAY, MOIST, STIFF			
			5				
35.0			7				
		37.5'					
	14	40.0'	2	POORLY GRADED SAND WITH SILT FINE GRAINED: GRAY, WET, MEDIUM DENSE			
			10				
40.0			16				
		42.5'					
	15	45.0'	12	WELL GRADED SAND WITH SILT FINE TO COARSE GRAINED: GRAY/BROWN, WET, VERY DENSE			
			30				
45.0			50/5"				
		47.5'		SILTY SAND MEDIUM TO COARSE GRAINED: GRAY, WET, MEDIUM DENSE			
50.0	16	50.0'	5 9 10				
				THE BORING WAS TERMINATED AT APPROXIMATELY 50 FT. BELOW GROUND SURFACE ON BORING TERMINATED AT REQUIRED DEPTH. THE BORING WAS NOT BACKFILLED AT TIME OF DRILLING COMPLETION BECAUSE 24HR WATER READINGS. THE BORING WAS BACKFILLED WITH AUGER CUTTINGS AND BENTONITE ON APRIL 02, 2024		GROUNDWATER WAS OBSERVED AT APPROXIMATELY 3 FT. BELOW GROUND SURFACE DURING DRILLING	
55.0		55.0'					
						CAVING WAS OBSERVED AT A DEPTH OF 5 ft. BELOW GROUND SURFACE REMOVAL OF AUGERS	
58.0		58.0'					

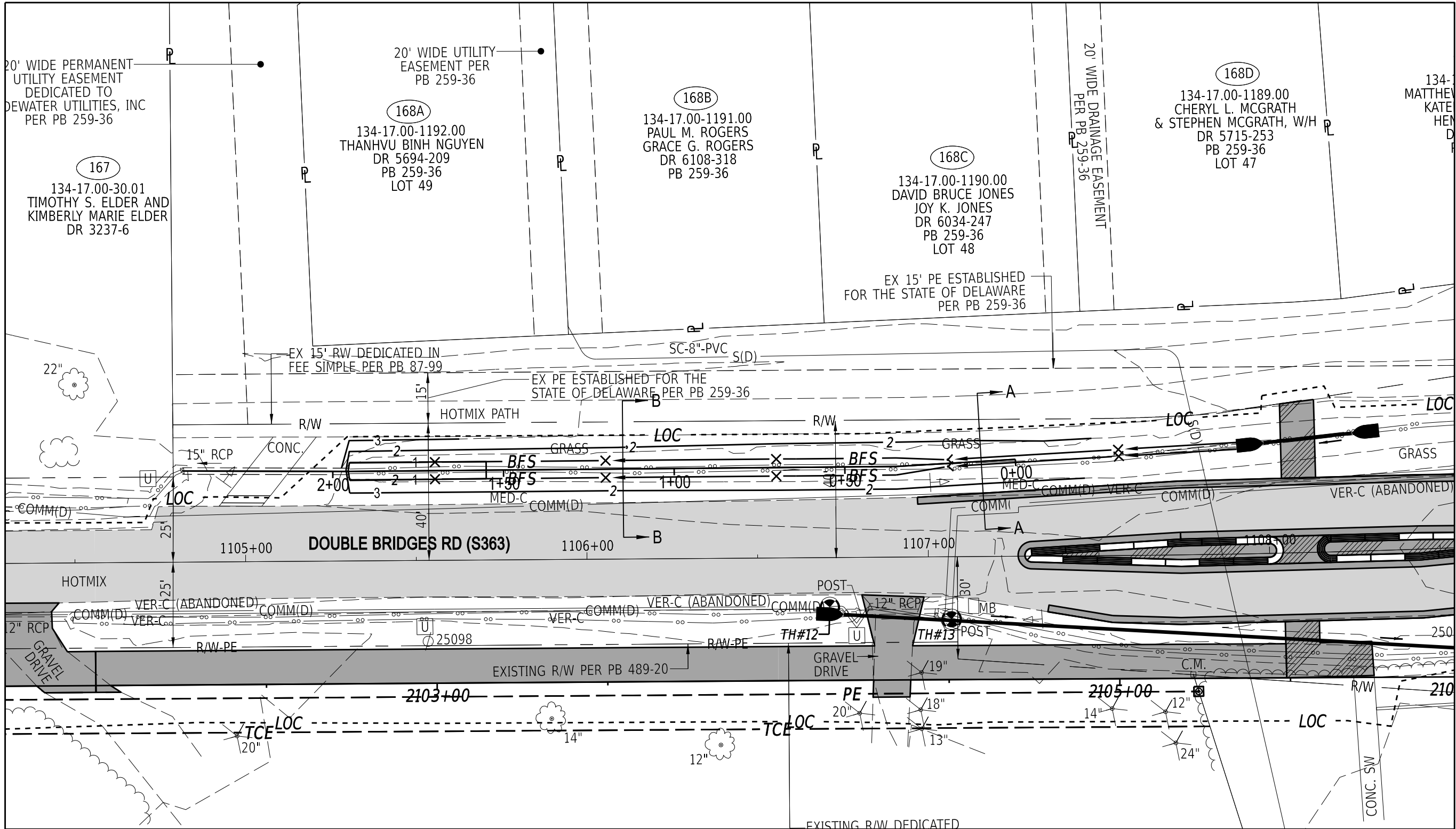
NOTES:

1.

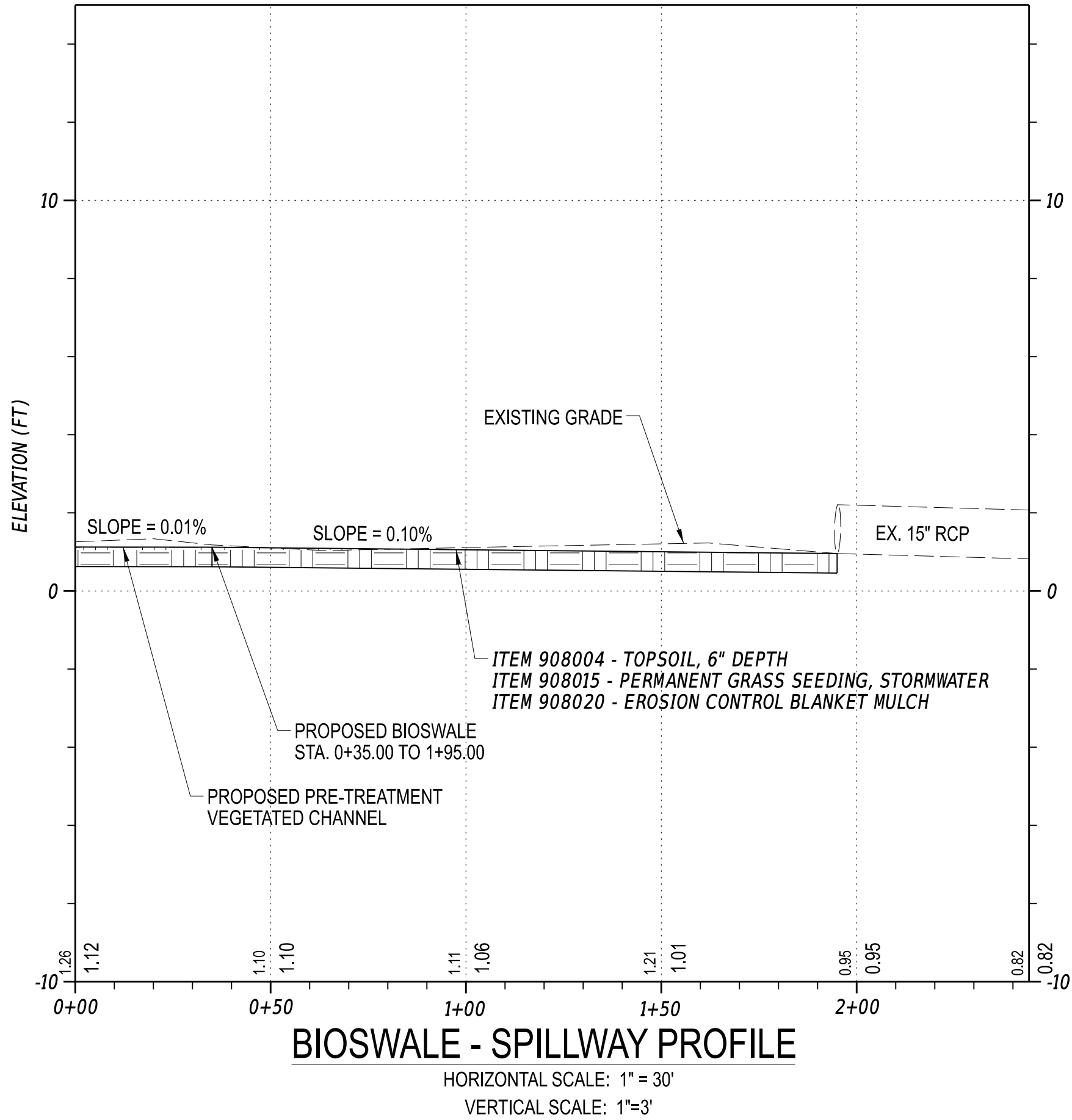
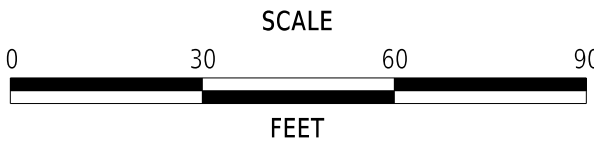
THE INFORMATION SHOWN ON THIS SHEET IS BASED ON LIMITED INVESTIGATIONS, AND IS NO WAY WARRANTED TO BE INDICATIVE OF ACTUAL CONDITIONS WHICH MAY BE ENCOUNTERED DURING CONSTRUCTION. SEE SECTIONS 102.05 OF THE DELDOT STANDARD SPECIFICATIONS FOR MORE DETAIL.
2.

LOCATION OF BORINGS ARE REFERENCED TO THE CONSTRUCTION PLAN AND LABELED AS 'B-5' AND 'B-6' RESPECTIVELY.

ADDENDA / REVISIONS		NOT TO SCALE	DOUBLE BRIDGES ROAD PATHWAY, MUDDY NECK TO NEPTUNE DRIVE	CONTRACT	BRIDGE NO.	3-455P	BORING LOG – II	SECTION
				T201769009	DESIGNED BY: B. CURTIS			CEN
				COUNTY				SHEET NO.
				SUSSEX	CHECKED BY: C. PERCY	34		



PLAN - DELDOT SWM FACILITY #01159
BIOSWALE



BIOSWALE - SPILLWAY PROFILE

HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 3'

BIOSWALE CONSTRUCTION SEQUENCE AND NOTES:

NOTIFY THE CCR A MINIMUM OF TWO WORKING DAYS IN ADVANCE OF ANY CONSTRUCTION SO THAT THE REQUIRED FACILITY CONSTRUCTION CHECKLIST CAN BE COMPLETED.

- BEFORE SOIL DISTURBANCE, CONTRACTOR SHALL CLEARLY MARK BIOSWALE BOUNDARY.
- CLEAR AND GRUB FOR INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS.
- INSTALL PERIMETER SEDIMENT CONTROLS AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLANS.
- CLEAR AND GRUB REMAINING AREA FOR CONSTRUCTION.
- GRADE THE BIOSWALE AND SEDIMENT FOREBAY TO THE FINAL DIMENSIONS SHOWN ON THE PLANS. CONSTRUCTION EQUIPMENT SHALL WORK FROM THE SIDES. EXCAVATING EQUIPMENT SHALL HAVE SCOOPS WITH ADEQUATE REACH SO THEY DO NOT HAVE TO SIT INSIDE THE FOOTPRINT OF THE BIOSWALE CHANNEL AREA. ALL EXCAVATED MATERIAL SHALL BE STOCKPILED AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLANS.
- COMPLETE STABILIZATION OF ALL BARE AREAS ALONG THE BOTTOM AND SIDES OF THE BIOSWALE WITH ITEM 908015, PERMANENT GRASS SEEDING - STORMWATER AND MULCHED WITH ITEM 908020, EROSION CONTROL BLANKET MULCH.
- AFTER ALL SURROUNDING AREAS DRAINING TO THE BIOSWALE HAVE SUFFICIENT VEGETATION, AS APPROVED BY THE STORMWATER ENGINEER, EROSION AND SEDIMENT CONTROL DEVICES SHALL BE REMOVED.

AS-BUILT DRAWINGS SHALL BE COMPLETED BY THE CONTRACTOR AND CERTIFIED BY A DELAWARE PLS BEFORE THE DELDOT INITIAL INSPECTION DATE. THESE DRAWINGS SHALL BE SENT TO THE STORMWATER ENGINEER FOR VERIFICATION. PAID FOR UNDER ITEM 910008. AS-BUILT DRAWINGS SHALL INCLUDE, BUT ARE NOT LIMITED TO:

- GENERAL TOPOGRAPHY OF THE WHOLE FACILITY AT 1-FOOT CONTOURS INCLUDING FOREBAYS AND TOP/TOE OF EMBANKMENT.
- INVERTS OF ALL PIPES AND SWALES THAT INFLOW TO THE BIOSWALE.
- OUTLINE OF ALL RIPRAP AND SPOT ELEVATIONS ON TOP OF THE RIPRAP.
- PRIMARY OUTFLOW CHANNEL. FOR A PRIMARY OUTFLOW CHANNEL/SWALE, SHOW AT MINIMUM THREE CROSS-SECTIONS OF EQUAL DISTANCE APART AT 50' DOWNSTREAM ALONG THE SLOPE.

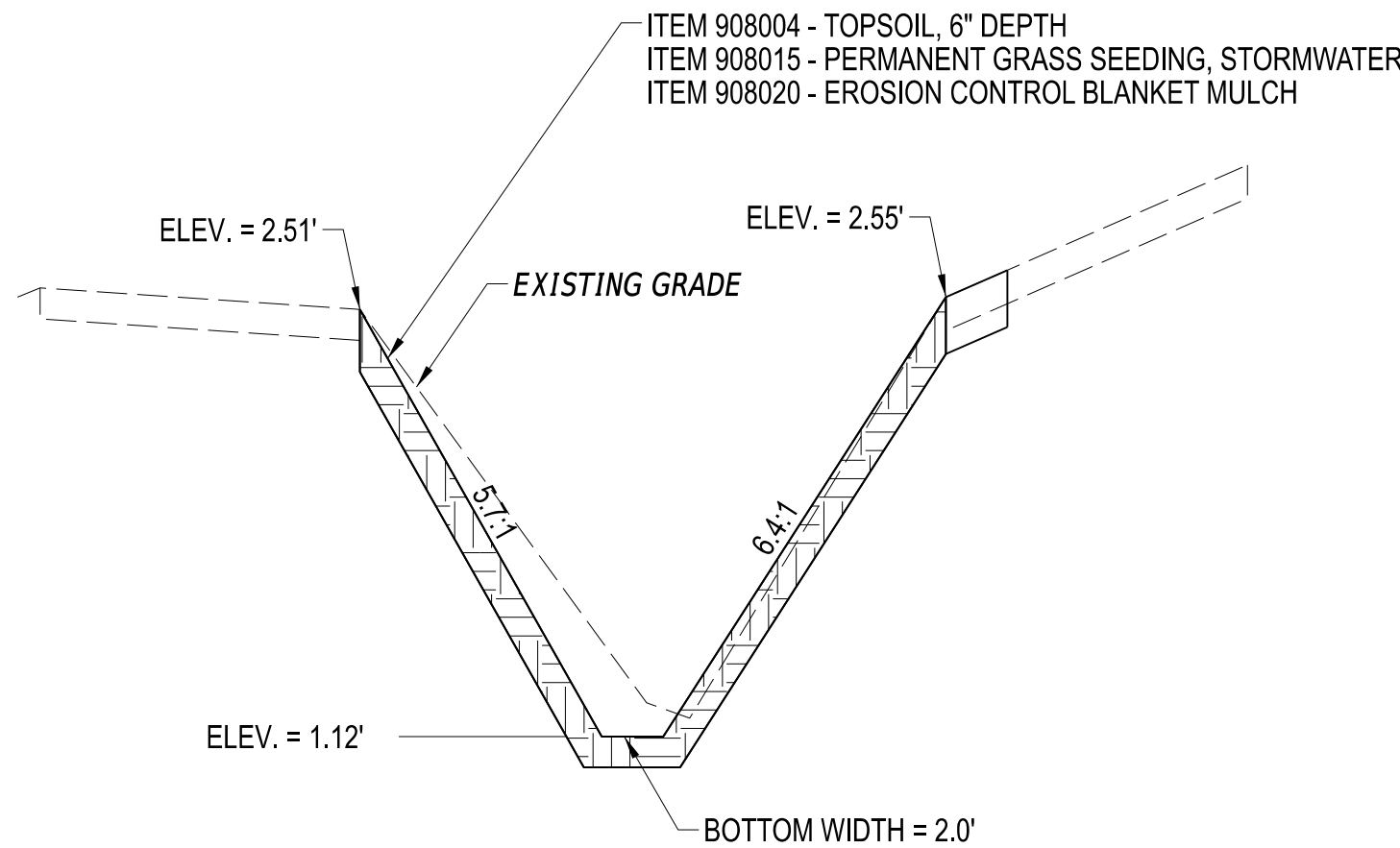
DRAINAGE AREA TO FACILITY: 0.91 AC.

MANAGEMENT PROVIDED BY FACILITY: WATER QUALITY FOR RPv STORM EVENT BY BIOFILTRATION
WATER QUANTITY FOR Cv AND Fv STORM EVENTS

SWM FACILITY #01159 SPILLWAY PROFILE			
IDENTIFIER	STATION	NORTHING	EASTING
1 POB	0+35.00	190117.1018	754983.1777
2 POE	1+95.00	754907.3819	189976.0896

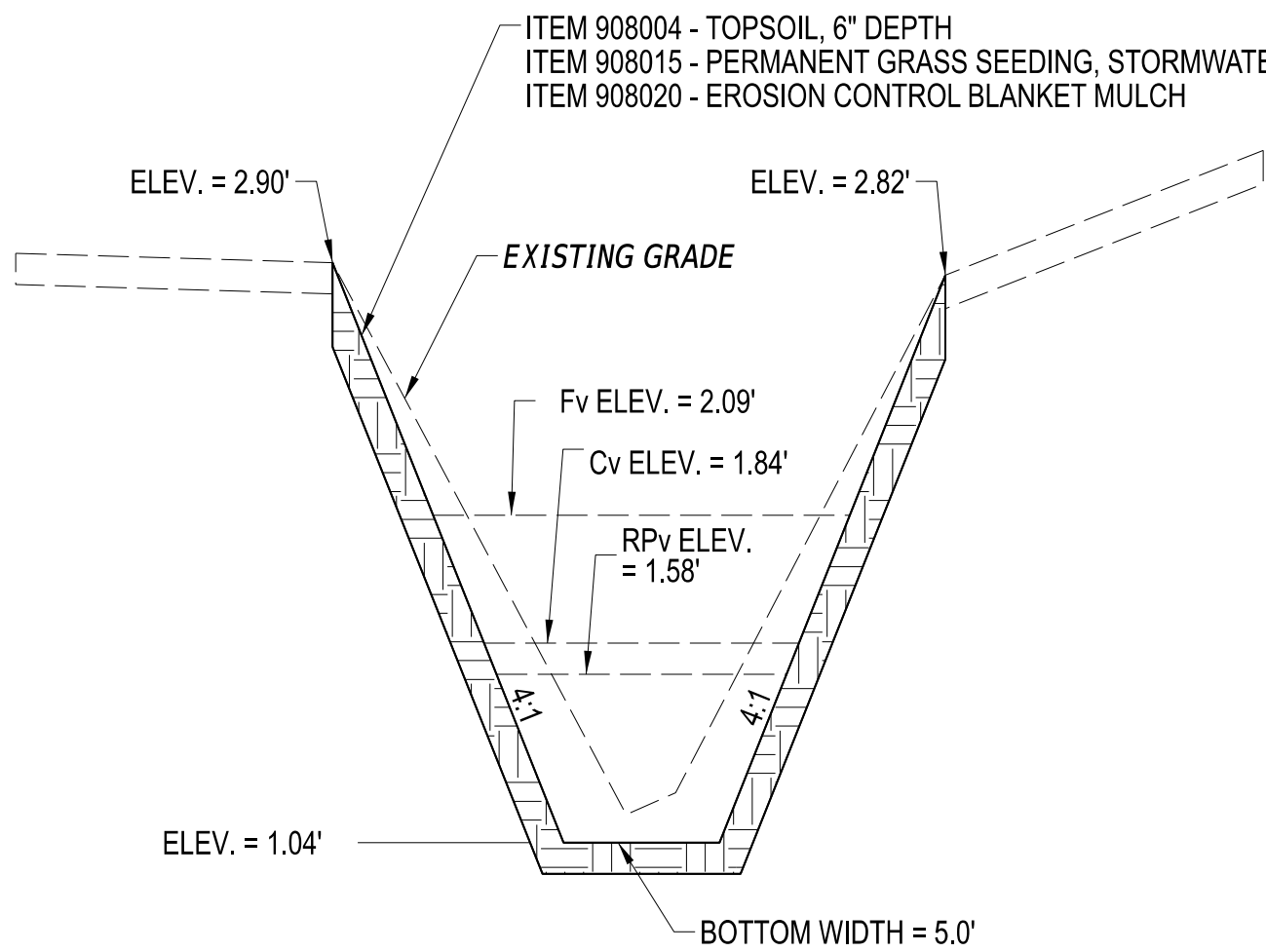
NOTE:

- SEE GRADES AND GEOMETRICS FOR BMP LAYOUT OFFSETS AND ELEVATIONS.



PRE-TREATMENT VEGETATED CHANNEL - SECTION A-A

N.T.S.



BIOSWALE - SECTION B-B

N.T.S.

ADDENDA / REVISIONS	

AS NOTED

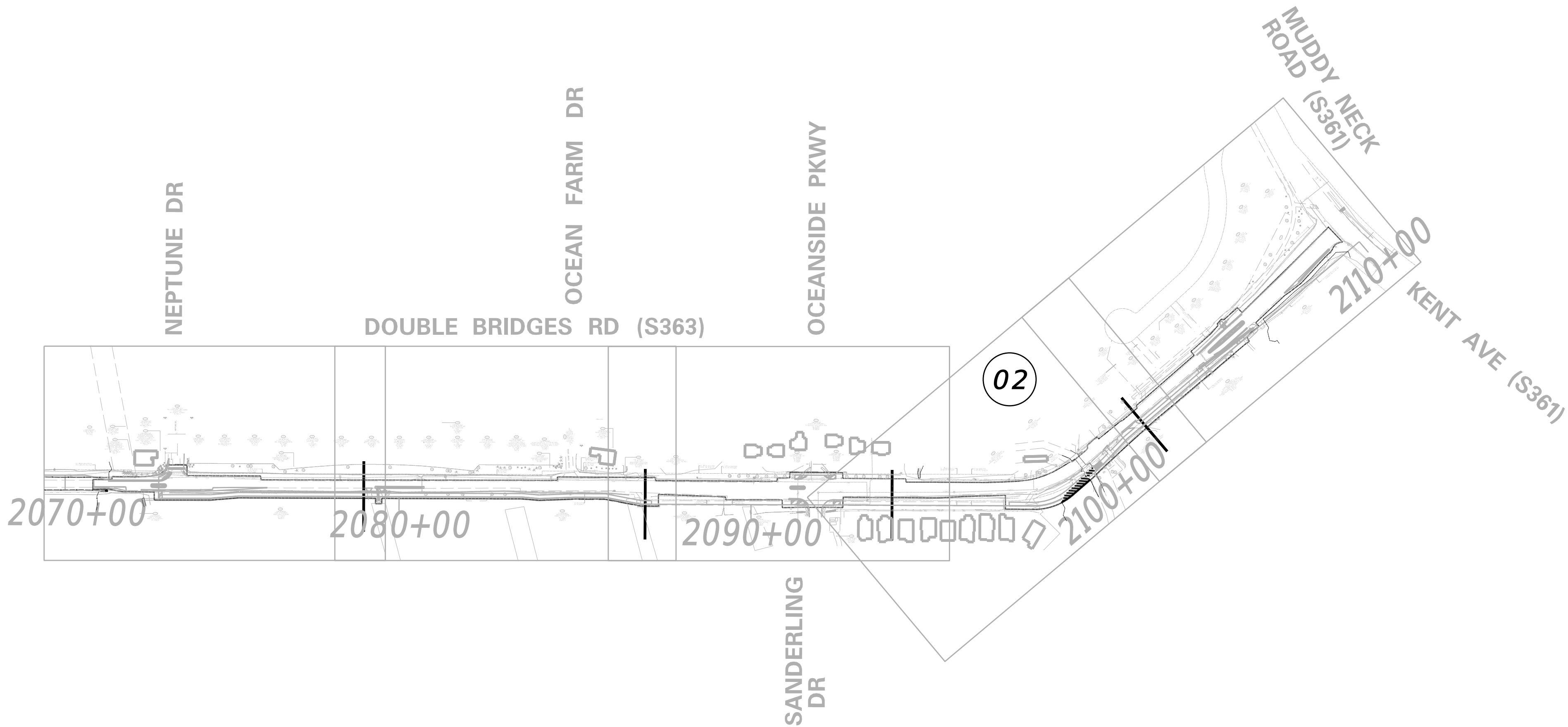
DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

STORMWATER
MANAGEMENT PLAN

SW-01
SECTION
CEN
SHEET NO.
35

WETLANDS DELINEATED BY MATTHEW FETTERS (CENTURY ENGINEERING) IN AUGUST 2024 IN ACCORDANCE WITH THE US ARMY CORPS OF ENGINEERS "CORPS OF ENGINEERS WETLAND DELINEATION MANUAL (1987)" AND "REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: ATLANTIC AND GULF COASTAL PLAIN REGION (VERSION 2.0) (2012)". SHEETS PREPARED BY CENTURY ENGINEERING, DATE: OCTOBER 2019.



ENVIRONMENTAL COMPLIANCE NOTES

1. GENERAL NOTES:

- A. THE PURPOSE OF THIS SHEET IS TO IDENTIFY THOSE ITEMS ASSOCIATED WITH ENVIRONMENTAL COMPLIANCE. IMPACT CALCULATIONS ARE FOR THE AGENCY PERMIT REPORTING PURPOSES ONLY AND ARE NOT TO BE USED FOR BIDDING PURPOSES.
- B. IF A DEPARTURE FROM THE APPROVED PLANS (WHICH WOULD AFFECT ANY NATURAL AND/OR CULTURAL RESOURCES) IS NECESSARY, CONTACT THE ENVIRONMENTAL STUDIES SECTION (302-760-2259 OR DOT.ENVIRONMENTALSTUDIES@DELAWARE.GOV) TO ALLOW FOR COORDINATION WITH THE APPROPRIATE RESOURCE AGENCIES AND APPROVAL.
- C. USE OF THIS SHEET DOES NOT ALLEVIATE THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL CONDITIONS SET FORTH IN THE ENVIRONMENTAL STATEMENT AND PERMITS

2. NATURAL RESOURCE ISSUES:

- A. PERMIT REQUIREMENTS/APPROVALS*:
U.S. ARMY CORPS OF ENGINEERS (COE): NWP23 (PCN REQUIRED)**

DNREC - WETLANDS & SUBAQUEOUS LANDS (WLSL): PERMIT # SP/WE-002/25 APPROVED 4/15/2025

DNREC - WATER QUALITY (WQC) & COASTAL ZONE CONSISTENCY (CZM): ISSUED FOR NWP 23

* THE PERMITS/APPROVALS LISTED ARE THOSE REQUIRED FOR THIS PROJECT. THE ENVIRONMENTAL STUDIES SECTION IS RESPONSIBLE FOR COORDINATING AND/OR OBTAINING THESE APPROVALS.
** THE CONTRACTOR MUST ENSURE THAT THESE PERMITS/APPROVALS ARE IN THEIR POSSESSION PRIOR TO BEGINNING CONSTRUCTION IN THE PERMITTED AREA(S) AND ENSURE THEY ARE DISPLAYED ON-SITE DURING THE ENTIRE CONSTRUCTION PERIOD.
- B. CONSTRUCTION RESTRICTIONS:
FISHERIES: NONE.

ENDANGERED SPECIES: NO TREE CLEARING MAY 15 - JULY 31.

MIGRATORY BIRDS: NONE.

MATURE FORESTS: MATURE TREES SHALL BE PRESERVED WHERE POSSIBLE.
- C. CULTURAL RESOURCE ISSUES: PENDING

3. STREAM RESTORATION AND RIPRAP TREATMENT:

- A. CHOKE ALL RIPRAP ON THE STREAM BANK, OUTSIDE THE CHANNEL BED, WITH ITEM 302005 - DELAWARE #57 STONE. PLACE JUST ENOUGH CHOKE MATERIAL TO PREVENT THE LOSS OF TOPSOIL THROUGH THE RIPRAP, AND THEN FINISH FILLING THE VOIDS WITH TOPSOIL SO THAT THE RIPRAP PEAKS ARE BARELY VISIBLE. PLACE AN ADDITIONAL 4-INCH ITEM 908007 - TOPSOILING LAYER ON TOP OF THE RIPRAP. SLOPE SEEDING WILL BE DONE WITH ITEM 908019 - PERMANENT GRASS SEEDING, STREAMBANK. FOLLOWING THE SEEDING OPERATION, INSTALL ITEM 908020 - EROSION CONTROL BLANKET (ECB) MULCH, OR OTHER BLANKET AS SHOWN ON THE PLANS. ECB AT TOE OF SLOPE CAN BE EITHER TRENCHED IN OR STAPLED AT 6" ON CENTER. COMPLETE ALL WORK, STARTING WITH THE INITIAL CHOKING WITH TOPSOIL THROUGH THE SEEDING AND MULCHING PRIOR TO ANY RAIN EVENT. ALL OTHER ITEMS WILL BE PAID FOR UNDER THEIR RESPECTIVE ITEMS. ANY FILL, INCLUDING PLANTING MEDIA WILL BE FREE OF ALL NON-NATIVE OR INVASIVE SPECIES AND/OR CONTAMINANTS.

4. PROTECTION OF RESOURCES:

- A. KEEP CLEARING IN WETLAND AREAS TO THE MINIMUM ABSOLUTELY NECESSARY FOR CONSTRUCTION ACCESS. SUPPORT ALL EQUIPMENT TRAVERSING WETLANDS AND SUBAQUEOUS LAND ON MATS. PAYMENT FOR MATS WILL BE MADE UNDER ITEM 621500 - TEMPORARY TIMBER MAT. IN WETLAND AREAS, NO GRUBBING EXCEPT WHERE NECESSARY TO CONSTRUCT PROJECT COMPONENTS SUCH AS FOUNDATIONS AND RIPRAP PROTECTION IS PERMITTED. CUT VEGETATION FLUSH WITH THE GROUND (I.E. NO DISTURBANCE OF THE ROOT MAT). RESTORE TEMPORARILY DISTURBED WETLAND AREAS TO GRADE, AND SEED WITH ITEM 908503 - WETLAND MITIGATION GRASS SEEDING. SEE CONSTRUCTION DETAILS FOR CLEARING AND GRUBBING BETWEEN STATIONS 2098+00.00 AND STA. 2100+00.00.
- B. USE REINFORCED SILT FENCE OR ALONG THE LIMITS OF CONSTRUCTION IN ALL AREAS WHERE WATER/WETLANDS ARE BEING IMPACTED (AS SHOWN ON CONSTRUCTION PHASING SHEETS), AND ALSO IN ANY AREA WHERE WATER/WETLANDS EXIST WITHIN 20 FEET OF THE LIMIT OF CONSTRUCTION (AS SHOWN ON CONSTRUCTION PLAN SHEETS). ANY CONTRACTOR ACCESS BEYOND THE LIMIT OF CONSTRUCTION IS STRICTLY PROHIBITED.
- C. USE SANDBAGS OR COMPOST FILTER LOG (CFL) TO SECURE SILT FENCE AT AREAS ADJACENT TO WOODED UPLANDS/ ALL WETLANDS IN LIEU OF TRENCHING UNLESS PROPER EROSION AND SEDIMENT CONTROL CANNOT BE MAINTAINED. REMOVE SANDBAGS AND CFLS (AND CONTENTS) IN THEIR ENTIRETY WHEN NO LONGER NEEDED. SANDBAGS/CFLS USED TO SECURE THE SILT FENCE IS INCIDENTAL TO ITEM 905001 - SILT FENCE. THE ENVIRONMENTAL STUDIES SECTION (302-760-2259 OR DOT.ENVIRONMENTALSTUDIES@DELAWARE.GOV) CAN PROVIDE FURTHER GUIDANCE REGARDING THIS METHOD OF INSTALLATION.
- D. CLEARLY MARK ALL TREES TO BE REMOVED WITH PAINT PRIOR TO THE EROSION AND SEDIMENT CONTROL MEETING.

NOT TO SCALE

DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

USACE ENVIRONMENTAL
COMPLIANCE PLAN

EC-01
SECTION
CEN
SHEET NO.
36

LEGEND

 WL	<i>WETLAND BOUNDARY</i>
 HTL	<i>HIGH TIDE LINE</i>
	<i>PERMANENT IMPACT AREA</i>
	<i>TEMPORARY IMPACT AREA</i>

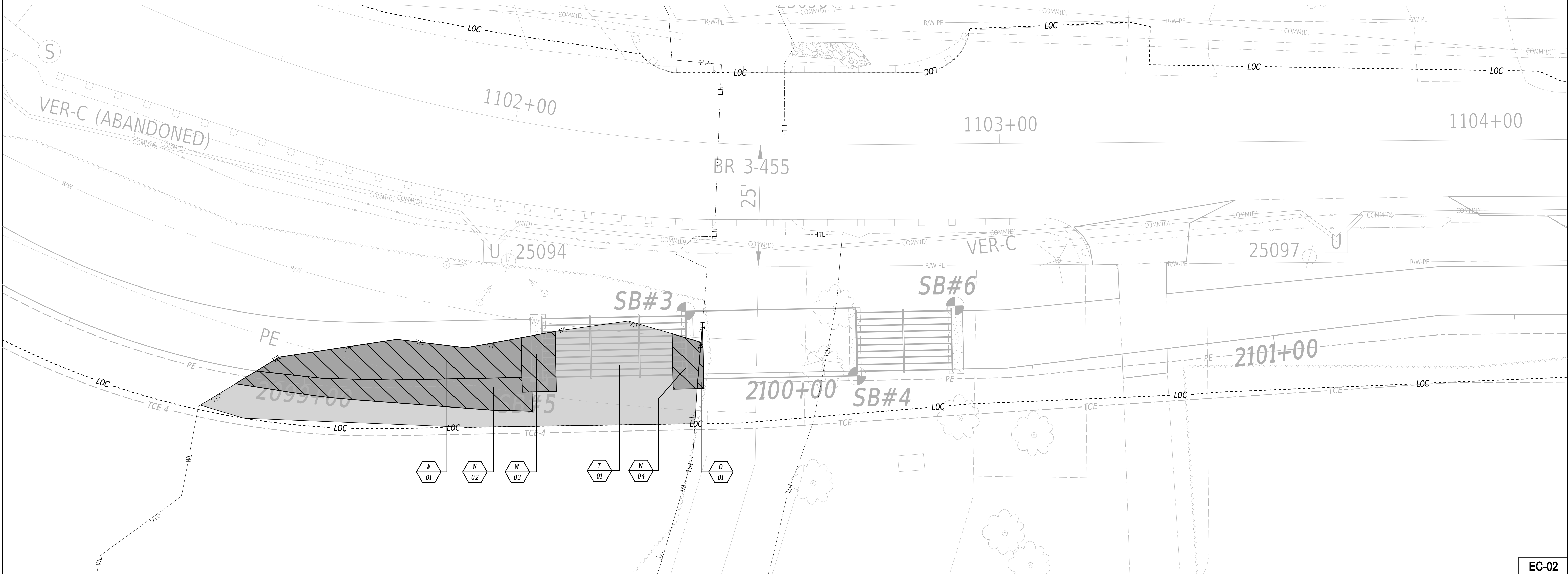
	<u>IMPACT AREA TYPE ID. (SEE BELOW)</u> <u>IMPACT AREA ID. AND/OR NUMBER</u>
W = WETLAND IMPACT O = OPEN WATER IMPACT	T = TEMPORARY IMPACT

NOTE: "D" AND "U" SHALL ONLY BE USED AS IDENTIFIERS
ON THE BOTTOM IN PLACE OF THE ? (AS REQUIRED).

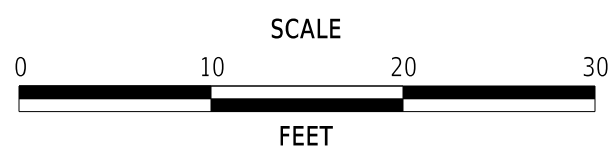
PERMANENT WETLAND IMPACT AREA SCHEDULE							
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	LOSS VS. IMPACT	LOSS AREA (AC)
W-01	BORROW TYPE B FILL - PATHWAY	362.85	0.0083	13.44	USACE	LOSS	0.0083
W-02	TOPSOIL FILL - GRADING	281.78	0.0065	10.44	USACE	LOSS	0.0065
W-03	STABILIZATION FILL - DE#57 STONE	82.58	0.0019	3.06	USACE	LOSS	0.0019
W-04	STABILIZATION FILL - DE#57 STONE AND R-5 RIPRAP	57.50	0.0013	2.13	USACE	LOSS	0.0013
TOTAL PERMANENT WETLAND IMPACT AREAS		784.71	0.0180	29.07	USACE	N/A	0.0237

PERMANENT OPEN WATER IMPACT AREA SCHEDULE							
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	LOSS VS. IMPACT	LOSS AREA (AC)
0-01	STABILIZATION FILL - DE#57 STONE AND R-5 RIPRAP	9.34	0.0002	0.35	USACE	IMPACT	0.0000
TOTAL PERMANENT OPEN WATER IMPACTS		9.34	0.0002	0.35	USACE	LOSS	0.0000

TEMPORARY WETLAND IMPACT AREA SCHEDULE					
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
T-01	TEMPORARY CONSTRUCTION FILLS	868.95	0.0120	N/A	USACE
TOTAL TEMPORARY WETLAND IMPACT AREAS		868.95	0.0120	N/A	USACE



ADDENDA / REVISIONS	



DOUBLE BRIDGES ROAD PATHWAY, MUDDY NECK TO NEPTUNE DRIVE

CONTRACT	BRIDGE NO.	N/A
T201769009		
COUNTY	DESIGNED BY: T. BANEZ	
SUSSEX	CHECKED BY: J. HERMES	

**USACE ENVIRONMENTAL
COMPLIANCE PLAN**

EC-02
SECTION
CEN
SHEET NO.
37

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED TRAFFIC CONTROL SUPERVISOR REQUIREMENT FOR THIS PROJECT.

2. THE USE OF MILLINGS AND GABC IN THE TRAVEL WAY, TEMPORARY TRAVEL WAY, HIGH VOLUME ENTRANCES AND ACCESS RAMP FOR THE PURPOSE OF PROVIDING A TEMPORARY ROADWAY SURFACE, POTHOLE REPAIR, TAPERED EDGE FOR UTILITIES, BUTTJOINTS AND LOGITUDINAL DROP-OFFS (MILLING AND PAVING OPERATIONS) IS PROHIBITED UNLESS IT IS OTHERWISE DESIGNATED TO BE USED IN THE CONTRACT PLANS. USE COLD PATCH, BITUMINOUS CONCRETE, BITUMINOUS CONCRETE WEDGE OR TAPER MILL AS NOTED IN THE CONTRACT DOCUMENTS OR APPROVED BY THE ENGINEER. PAYMENT FOR COLD PATCH, BITUMINOUS CONCRETE OR BITUMINOUS CONCRETE WEDGE SHALL BE PAID AS NOTED IN THE CONTRACT DOCUMENTS.

MILLINGS OR GABC SHALL BE USED AT THE FOLLOWING LOCATIONS WHERE ACCESS TO A BUSINESS, RESIDENCE OR EDGE DROP-OFF NEEDS TO BE MAINTAINED UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE ENGINEER TO USE BITUMINOUS CONCRETE OR COLD PATCH. ALL MILLINGS AND GABC WILL BE ROLLED AND COMPACTED TO PREVENT THE MATERIAL FROM UNRAVELING:

- A. DRIVEWAYS
- B. ENTRANCES
- C. LOW VOLUME ENTRANCES AND ACCESS RAMPS (IDENTIFIED IN THE CONTRACT DOCUMENTS)
- D. EDGE DROP-OFFS ADJACENT TO LIVE ROADWAY (LANE, SHOULDER OR TURN LANE) AND THE PROPOSED ROAD CONSTRUCTION
- E. EDGE OF ROADWAY DROP-OFF.

GRADING AND MAINTAINING BASE COURSE THAT IS BEING USED FOR THE ROADWAY WEDGE/FILLET BETWEEN TRAVEL LANES AND PAVEMENT BOX, EDGE OF TRAVELWAY, DRIVEWAY OR ENTRANCE ACCESS SHALL BE INCIDENTAL TO ITEM NO. 801000 - MAINTENANCE OF TRAFFIC. THE BASE COURSE MATERIAL SHALL BE PLACED AT NO GREATER THAN THE SLOPE SPECIFIED IN TABLE 6G-1 OF THE DE MUTCD AND SHALL BE COMPACTED. EXCESS BASE COURSE MATERIAL SHALL BE PUSHED AHEAD AND USED IN THE NEXT SEGMENT OR REMOVED, AND SHALL BE INCIDENTAL TO THE PARTICULAR BASE COURSE PAY ITEM. NO SEPARATE PAYMENT SHALL BE MADE FOR MILLINGS, GABC, OR TEMPORARY ROADWAY MATERIAL (TRM) USED TO PROTECT EDGE DROP-OFFS, UNLESS THE MATERIAL IS EVENTUALLY USED AS PART OF A PERMANENT ROADWAY AT WHICH TIME THE MATERIAL WOULD BE PAID FOR UNDER THE RESPECTIVE CONTRACT MATERIAL ITEM.

VERTICAL DIFFERENCES SHALL BE CORRECTED IN ACCORDANCE WITH TABLE 6G-1 OF THE DE MUTCD.

3. ACCEPTABLE MATERIALS FOR TEMPORARY PEDESTRIAN PATHS SHALL INCLUDE CONCRETE, HOT-MIX, COMPACTED MILLINGS OR PLYWOOD WALKWAY STRUCTURE. PLYWOOD WALKWAY STRUCTURES SHALL ALSO INCLUDE DETECTABLE EDGING AND RAILINGS IN ACCORDANCE WITH ADA GUIDELINES AND THE DELAWARE MUTCD. TEMPORARY PEDESTRIAN PATHS SHALL BE INCIDENTAL TO ITEM 801000 UNLESS OTHERWISE SPECIFIED IN THE PLANS. STONE OR GRADED AGGREGATE BASE COURSE SHALL NOT BE USED FOR TEMPORARY PEDESTRIAN PATHS. REFER TO STANDARD CONSTRUCTION DETAIL M-13.
4. ADDITIONAL LANE RESTRICTIONS SHALL BE ENFORCED BY THE ENGINEER, IN CONSULTATION WITH THE DISTRICT SAFETY OFFICER, TO ACCOMMODATE PERMITTED PLANNED SPECIAL EVENTS THROUGH THE WORK ZONE. THE ENGINEER WILL NOTIFY THE CONTRACTOR OF ADDITIONAL LANE RESTRICTIONS TWO WEEKS PRIOR TO THE START OF THE RESTRICTION.
5. ALL NEW PED/BICYCLIST FACILITIES ARE TO BE CLOSED WITH TYPE 3 BARRICADES AND PATHWAY CLOSED SIGNS UNTIL THE PROJECT IS APPROVED BY THE ENGINEER.
6. THE CONTRACTOR SHALL USE THE FOLLOWING TYPICAL MUTCD APPLICATIONS:
 - A. TA-10 FOR LANE CLOSURE ON A TWO LANE ROAD USING FLAGGERS.
7. THE CONTRACTOR SHALL WORK ON THE PATHWAY IN A LINEAR FASHION, BEGINNING AT THE NEPTUNE DRIVE INTERSECTION. WHEN THE PATHWAY IS ON THE NORTH SIDE OF DOUBLE BRIDGES ROAD, THE CONTRACTOR SHALL WORK FROM EAST TO WEST. WHEN THE PATHWAY IS ON THE SOUTH SIDE OF DOUBLE BRIDGES ROAD, THE CONTRACTOR SHALL WORK FROM WEST TO EAST. THE CONTRACTOR MAY NOT WORK ON THE PATHWAY ON BOTH SIDES OF DOUBLE BRIDGES ROAD AT THE SAME TIME.
8. THE MAXIMUM CLOSURE LENGTH FOR ANY TRAVEL LANE ON DOUBLE BRIDGES ROAD IS 750 FEET.
9. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AND DRIVEWAYS DURING CONSTRUCTION. COSTS ASSOCIATED WITH THIS WORK ARE INCIDENTAL TO THE CONTRACT.

1. POST NO PERMIT COVERAGE SO THAT IT IS VISIBLE IN CLOSE PROXIMITY TO THE CONSTRUCTION SITE AS DIRECTED BY THE ENGINEER. THE NOTICE MUST BE IN ACCORDANCE WITH DELDOT GUIDANCE.
2. INSTALL ALL PERIMETER E&S ITEMS AND SENSITIVE AREA PROTECTIONS PRIOR TO ANY LAND DISTURBING ACTIVITIES. THE ONLY LAND DISTURBANCE ALLOWABLE IS WHAT IS NECESSARY TO INSTALL THE PERIMETER E&S ITEMS.
3. ESTABLISH CONSTRUCTION STAGING AREAS AND INSTALL E&S CONTROLS.
4. ONCE PERIMETER E&S CONTROLS ARE INSTALLED, THEY SHALL BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE ANY OTHER LAND DISTURBING ACTIVITIES CAN BEGIN.
5. INTERIOR EROSION AND SEDIMENT CONTROL ITEMS SHALL BE PLACED AS PER PLAN.
6. PRIOR TO COMMENCING A NEW PHASE OF CONSTRUCTION, APPROVAL IS REQUIRED FROM THE ENGINEER THAT THE AREAS WITHIN THE PREVIOUS PHASE HAVE BEEN SUFFICIENTLY STABILIZED.
7. COMPLETE PERMANENT STABILIZATION WITHIN SEVEN (7) CALENDAR DAYS UPON REACHING FINAL GRADE.
8. DO NOT REMOVE E&S DEVICES UNLESS DIRECTED BY THE ENGINEER.

EROSION POTENTIAL FOR THIS PROJECT	SITE REVIEWER REQUIREMENT
() INSIGNIFICANT	NONE
() MINOR	CONTRACTOR TRAINING PROGRAM, AS DEFINED IN SECTION 6.2 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.
(X) MAJOR	CERTIFIED CONSTRUCTION REVIEWER (CCR), AS DEFINED IN SECTION 6.3 IF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.

REVIEWED FOR GENERAL CONFORMITY WITH
CURRENT DELAWARE SEDIMENT AND STORMWATER
REGULATIONS.

Steve Burm 03/19/2026

STORMWATER ENGINEER
DELAWARE DEPARTMENT OF TRANSPORTATION
EXPIRES: 03/19/2031

1. ASSIGN A RESPONSIBLE PERSON TO BE ON SITE DURING ALL EARTH DISTURBING ACTIVITIES AND BE AN ACTIVE DNREC BLUE CARD HOLDER AS DEFINED IN SECTION 6.2 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS (DSSR). BE FAMILIAR WITH AND COMPLY WITH ALL ASPECTS OF THE NPDES CONSTRUCTION GENERAL PERMIT.
2. FILE AS A CO-PERMITTEE IN ACCORDANCE WITH SECTION 901 OF THE STANDARD SPECIFICATIONS. POSTING AND MAINTENANCE OF THE NOI PERMIT COVERAGE IS INCIDENTAL TO THE CONTRACT.
3. REVISIONS TO THE SWPPP OR ENVIRONMENTAL COMPLIANCE PLAN SHEET(S) SHALL BE APPROVED PRIOR TO INITIATION IN THE FIELD. THE ENGINEER IS RESPONSIBLE FOR APPROVING ALL REDLINES AND REVISIONS TO THE SWPPP.
4. IMPLEMENTING AND MAINTAINING POLLUTION PREVENTION DEVICES AND PRACTICES IS REQUIRED UNDER THE DELAWARE CONSTRUCTION GENERAL PERMIT AND THE DSSR AND ARE INCIDENTAL TO THE CONTRACT.
5. A SOIL STOCKPILE, AS DESCRIBED IN DELDOT STANDARD SPECIFICATIONS AND DEFINED IN THE DELAWARE EROSION & SEDIMENT CONTROL HANDBOOK, IS ANY LOCATION WITHIN THE LIMITS OF CONSTRUCTION WHERE A TEMPORARY DEPOSIT OF EXCAVATED SOIL IS BEING RESERVED FOR FUTURE USE. A SOIL STOCKPILE SHALL BE LOCATED A MINIMUM OF 50 FEET FROM A STORM DRAIN INLET, OPEN CHANNEL, WETLAND, OR WATERBODY. A REQUEST MAY BE MADE TO THE ENGINEER TO PERMIT LOCATING A SOIL STOCKPILE LESS THAN 50 FEET FROM A STORM DRAIN INLET OR OPEN CHANNEL. UPON APPROVAL, IF ANY PART OF A SOIL STOCKPILE IS LESS THAN 50 FEET FROM A STORM DRAIN INLET OR OPEN CHANNEL, INSTALL A SUPER SILT FENCE PERIMETER TO PROTECT THE SOIL STOCKPILE. THE SUPER SILT FENCE MUST BE CONSTRUCTED IN ACCORDANCE WITH 905.3.B.3 OF THE STANDARD SPECIFICATIONS. THE COST FOR INSTALLATION AND MAINTENANCE OF THE STOCKPILE SUPER SILT FENCE IS INCIDENTAL TO THE CONTRACT.
6. PROTECT AGAINST SEDIMENT OR DEBRIS LADEN RUNOFF FROM LEAVING THE SITE. CHECK PERIMETER CONTROLS DAILY AND ADJUST OR REPAIR TO FULLY CONTAIN AND CONTROL SEDIMENT FROM LEAVING THE SITE. REMOVE ACCUMULATED SEDIMENT BEFORE IT HAS REACHED HALF OF THE EFFECTIVE CAPACITY OF THE CONTROL. ADJUST OR ALTER MEASURES IN TIMES OF ADVERSE WEATHER CONDITIONS, OR AS DIRECTED BY THE ENGINEER.
7. ANY SEDIMENT LADEN DISCHARGE LEAVING THE LIMIT OF CONSTRUCTION SHALL IMMEDIATELY BE ADDRESSED THROUGH BEST AVAILABLE TECHNOLOGIES TO CONTROL ANY FURTHER SEDIMENT LADEN DISCHARGE. REMEDIATION MAY INCLUDE STANDARD E&S PRACTICES OR OTHER METHODS AS APPROVED BY THE ENGINEER.
8. ALL TEMPORARY CONCENTRATED FLOW AREAS INCLUDING CHANNEL SIDE SLOPES SHALL HAVE EROSION CONTROL BLANKET MULCH AS DIRECTED BY THE ENGINEER. INSTALL WITHIN SEVEN CALENDAR DAYS UPON CONSTRUCTION INITIATION. A TEMPORARY CONCENTRATED FLOW AREA MAY INCLUDE DITCHES, SWALES, BERMS, CONCENTRATED RUNOFF AREAS, ETC..
9. MAINTAIN POSITIVE DRAINAGE IN EXISTING AND PROPOSED DRAINAGE SYSTEMS. CLEAN EXISTING DRAINAGE SYSTEMS, AND PROPERLY DISPOSE OF SEDIMENT THROUGHOUT THE DURATION OF THE PROJECT. PAYMENT IS INCIDENTAL TO ITEM 201000, CLEARING AND GRUBBING.

[illegible]

Diagram illustrating the initial and final stages of a bridge construction project.

INITIAL STAGE: Shows the bridge structure with a 10' (MIN.) gap. The current construction phase is indicated by a shaded area. A black square symbol indicates the flagger location.

FINAL STAGE: Shows the bridge structure with a 10' (MIN.) gap. The current construction phase is indicated by a shaded area. A black square symbol indicates the flagger location.

LEGEND: A black square symbol indicates the flagger location.

NOT TO SCALE

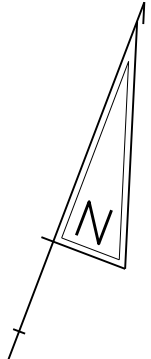
NOTES

1. THIS DETAIL PROVIDES THE PROPER TRAFFIC CONTROL DEVICES AT DRIVEWAYS AND ENTRANCES THAT ARE TO BE BUILT IN HALF-SECTION UNDER FLAGGER CONTROL. APPLICATION OF THIS DETAIL SHALL BE AS INDICATED ON THE PLANS, AS AGREED UPON OR AS WITH THE PROPERTY OWNER, OR AS DIRECTED BY THE ENGINEER. TRAFFIC CONTROL DEVICES AT ENTRANCES SHALL BE RESET TO MAIN PHASE AT END OF EACH WORKING DAY.
2. CHANNELIZATION THROUGH ENTRANCE AREA SHALL BE ACCOMPLISHED WITH DRUMS PLACED AT 10' BETWEEN THE EDGES OF THE DRUMS IMMEDIATELY ADJACENT TO THE TRAVELED WAY, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. DRUM LAYOUT SHALL ACCOMMODATE THE LARGEST DESIGN VEHICLE EXPECTED TO USE ENTRANCE.
3. DEPENDING ON TRAFFIC VOLUME UTILIZING ENTRANCE AND OTHER SITE-SPECIFIC CONDITIONS, THE NUMBER OF FLAGGERS USED DURING ENTRANCE CONSTRUCTION MAY BE REDUCED FROM 2 TO 1, SUBJECT TO APPROVAL OF ENGINEER.
4. COORDINATE WITH BUSINESS OWNERS TO SCHEDULE THE ENTRANCE CLOSURE AT NON-PEAK TIMES.

CONSTRUCTION PHASING & M.O.T		EROSION & SEDIMENT CONTROL		EROSION & SEDIMENT CONTROL	
	BARRICADE, TYPE 3		COMPOST FILTER LOG		REINFORCED SILT FENCE / LENGTH
	CONCRETE SAFETY BARRIER - PORTABLE		COMPOST FILTER LOG / LENGTH		SUPER SILT FENCE / LENGTH
	CONSTRUCTION SAFETY FENCE / LENGTH		DEWATERING BAG		SUPER SILT FENCE
	CONSTRUCTION SAFETY FENCE		DEWATERING BASIN		SUMP PIT
	CONSTRUCTION WARNING SIGN LOCATION		EARTH DIKE		SEDIMENT TRAP / NUMBER
	CONSTRUCTION WARNING SIGN		INLET SEDIMENT CONTROL		SEDIMENT TRAP
	CRASH CUSHION ARRAY		PERIMETER DIKE/SHALE		SEDIMENT TRAP WITH INLET & OUTLET
	DRUM - TRAFFIC CONTROL		SANDBAG SEDIMENT TANK		SEDIMENT TRAP PIPE OUTLET
	FLAGGER LOCATION		SANDBAG DIKE		STILLING WELL
	PHASING TRAFFIC FLOW ARROW		SANDBAG DIVERSION		TEMPORARY SWALE
	TEMPORARY CONSTRUCTION		COMPOST FILTER LOG CHECK DAM		TEMPORARY SLOPE DRAIN
	TEMPORARY P/AVEMENT MARKING ARROW		STABILIZED CONSTRUCTION ENTRANCE		TURBIDITY CURTAIN / LENGTH
	TRUCK WITH MOUNTED ATTENUATOR		SILT FENCE / LENGTH		TURBIDITY CURTAIN
	WORK AREA - ACTIVE PHASE		SILT FENCE		

ADDENDA / REVISIONS		NOT TO SCALE	DOUBLE BRIDGES ROAD PATHWAY, MUDDY NECK TO NEPTUNE DRIVE	CONTRACT	BRIDGE NO.	N/A	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN	SECTION
				T201769009	DESIGNED BY: T. BANEZ			CEN
				COUNTY				SHEET NO.
				SUSSEX	CHECKED BY: J. HERMES	38		

ADVANCED WARNING SIGN LAYOUT



PCMS = PORTABLE CHANGEABLE MESSAGE SIGN LOCATION

MESSAGE SIGNS SHALL BE PLACED 10 DAYS IN ADVANCE OF THE WORK AND REMAIN IN PLACE FOR 5 DAYS AFTER CONSTRUCTION BEGINS. LOCATIONS OF MESSAGE SIGNS AND MESSAGES DISPLAYED SHALL BE REVIEWED AND APPROVED BY THE DISTRICT SAFETY OFFICER.

10 DAYS PRIOR TO CONSTRUCTION:

ROAD
WORK
STARTING

XXXXXX
EXPECT
DELAYS

5 DAYS AFTER CONSTRUCTION HAS BEGUN:

ROAD
WORK
AHEAD

USE
CAUTION

ADVANCED WARNING SIGNS

THE CONTRACTOR SHALL LAYOUT SIGNS FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION. THE COVERING OF ANY CONFLICTING SIGNS SHALL BE INCIDENTAL TO ITEM# 810001. ALL TEMPORARY WARNING SIGNS TO BE PAID UNDER ITEM# 810001.

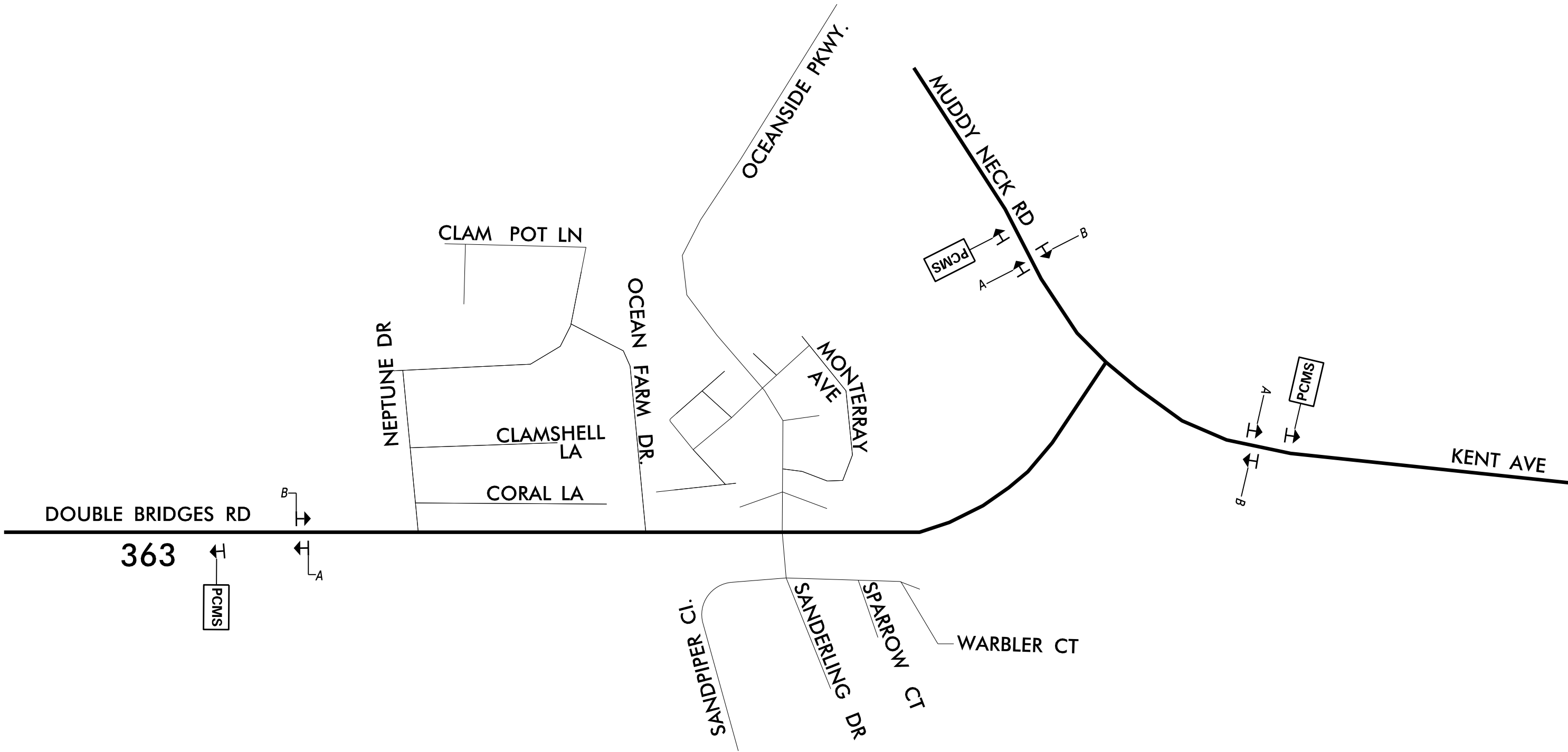
W20-1
48" X 48"
(A)

END
ROAD WORK

G20-1
48" X 24"
(B)

PATHWAY
CLOSED

R9-9
24" X 12"
(C)



ADDENDA / REVISIONS	

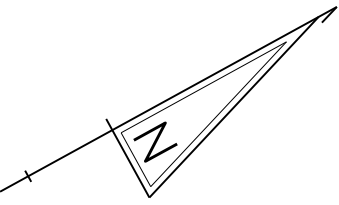


DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN

SECTION
CEN
SHEET NO.
39



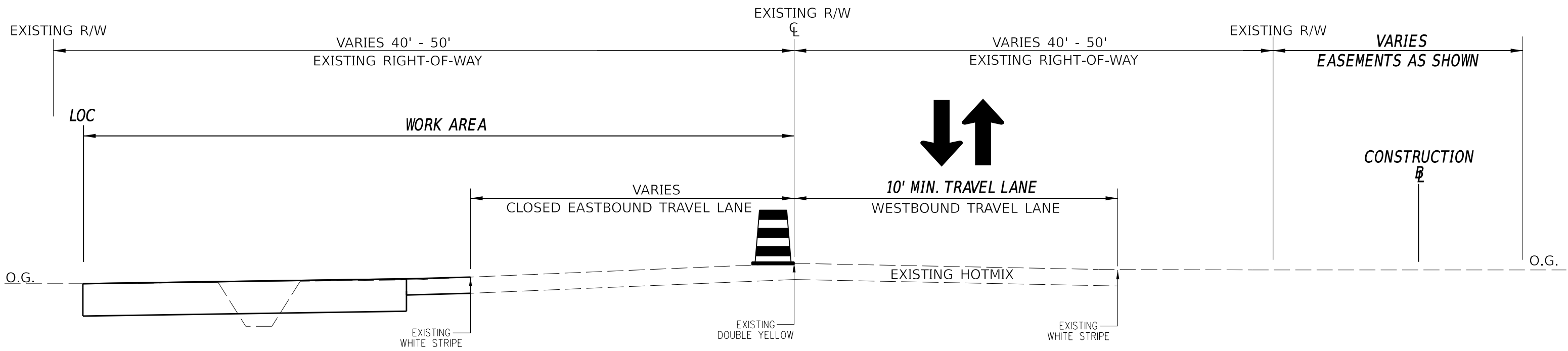
PHASE 1 SEQUENCE OF CONSTRUCTION - PEDESTRIAN BRIDGE

-
4. CLEAR AND GROUND THE WORK AREA FOR ERECTION BRIDGE AND BOARDWALKS, USING ORDER CUT EXCAVATION AS REQUIRED. PLACE ITEM 708002, GEOTEXTILE, SEPARATION IN UNDERCUT AREAS AND BACKFILL TO ORIGINAL GROUND WITH BORROW, TYPE B.
5. INSTALL HELICAL PILES AND CONSTRUCT BRIDGE ABUTMENTS. IF THE PREFABRICATED BRIDGE IS ON SITE, THE CONTRACTOR SHALL INSTALL THE BRIDGE AND CONSTRUCT BOARDWALK APPROACHES AS SHOWN IN THE BRIDGE PLANS.
6. USE TA-10 AS REQUIRED TO MAINTAIN TRAFFIC ON DOUBLE BRIDGES ROAD.
7. PLACE "PATHWAY CLOSED" SIGN ON TEMPORARY BARRICADE ON BOTH BOARDWALK ABUTMENTS, UNTIL THE PATHWAY IS OPEN.

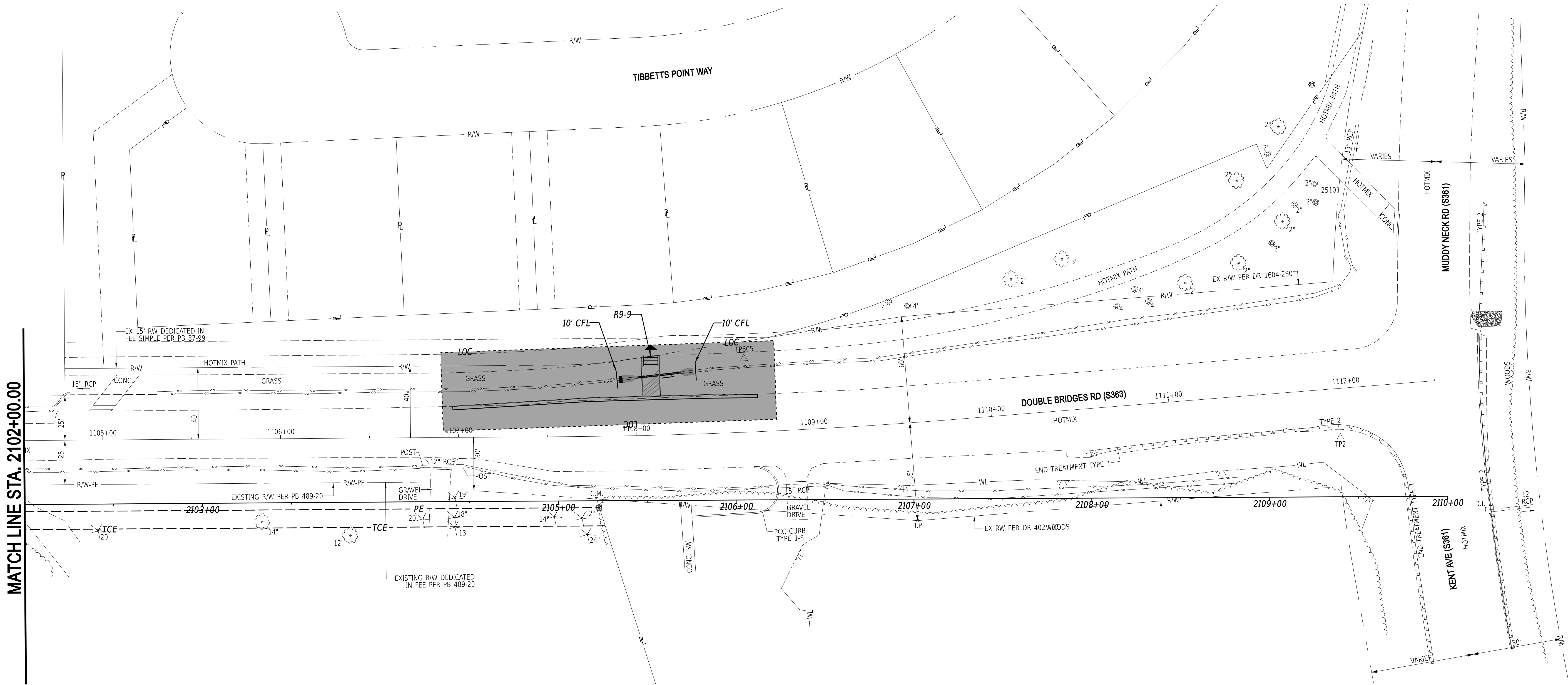
ADDENDA / REVISIONS			DOUBLE BRIDGES ROAD PATHWAY, MUDDY NECK TO NEPTUNE DRIVE	CONTRACT	BRIDGE NO.	N/A	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 1	SECTION
				T201769009	DESIGNED BY: T. BANEZ			CEN
				COUNTY	CHECKED BY: J. HERMES			SHEET NO.
				SUSSEX				40

PHASE 2 SEQUENCE OF CONSTRUCTION - STA. 2114+41.14 TO STA. 2016+12.45

1. INSTALL PROPOSED DRAINAGE ITEMS AND REMOVE EXISTING DRAINAGE FACILITIES AS SHOWN.
2. CONTRACTOR SHALL INSTALL EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.
3. USING TA-10, WIDEN ROADWAY IN THE AREAS SHOWN, PAVE THE TYPE B HOT MIX TO THE EXISTING SURFACE.
4. USING TA-10 EXCAVATE FULL DEPTH AND CONSTRUCT WESTBOUND PATHWAY CONNECTION TO THE EXISTING PATHWAY. PROTECT UNFINISHED WORK AREAS WITH DRUMS.
5. PLACE "PATHWAY CLOSED" SIGN ON TEMPORARY BARRICADES AT THE BEGINNING AND END OF THE WORK AREA. ALL MID-BLOCK CROSSINGS SHALL REMAIN CLOSED UNTIL ALL SIGNING, STRIPING, AND SIGNALIZATION HAS BEEN INSTALLED AND ACTIVATED.
6. ALL DISTURBED AREAS SHALL BE GRADED TO DRAIN PROPERLY. THE CONTRACTOR SHALL PLACE TOPSOIL AND PERMANENT SEEDING ON ALL AREAS IN FINAL CONDITIONS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.



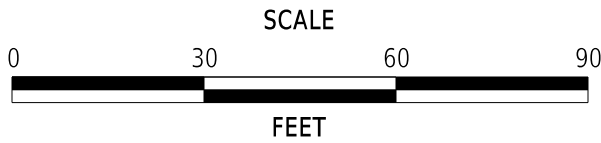
DOUBLE BRIDGES ROAD PATHWAY TYPICAL MOT SECTION



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ADDENDA / REVISIONS	

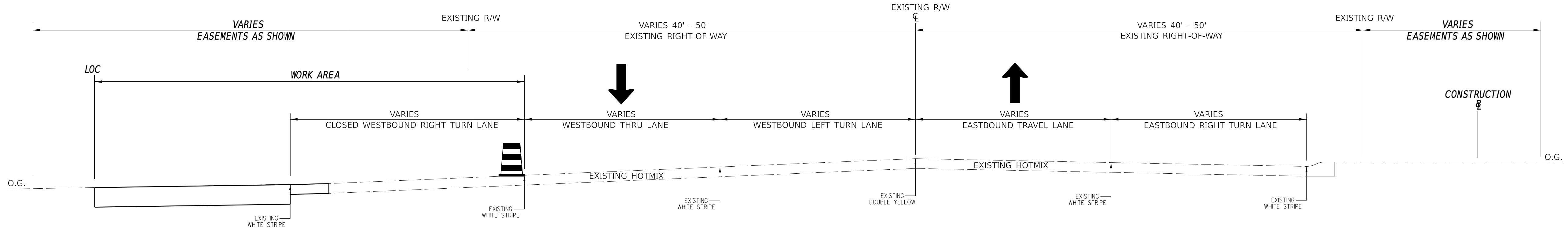


DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 2

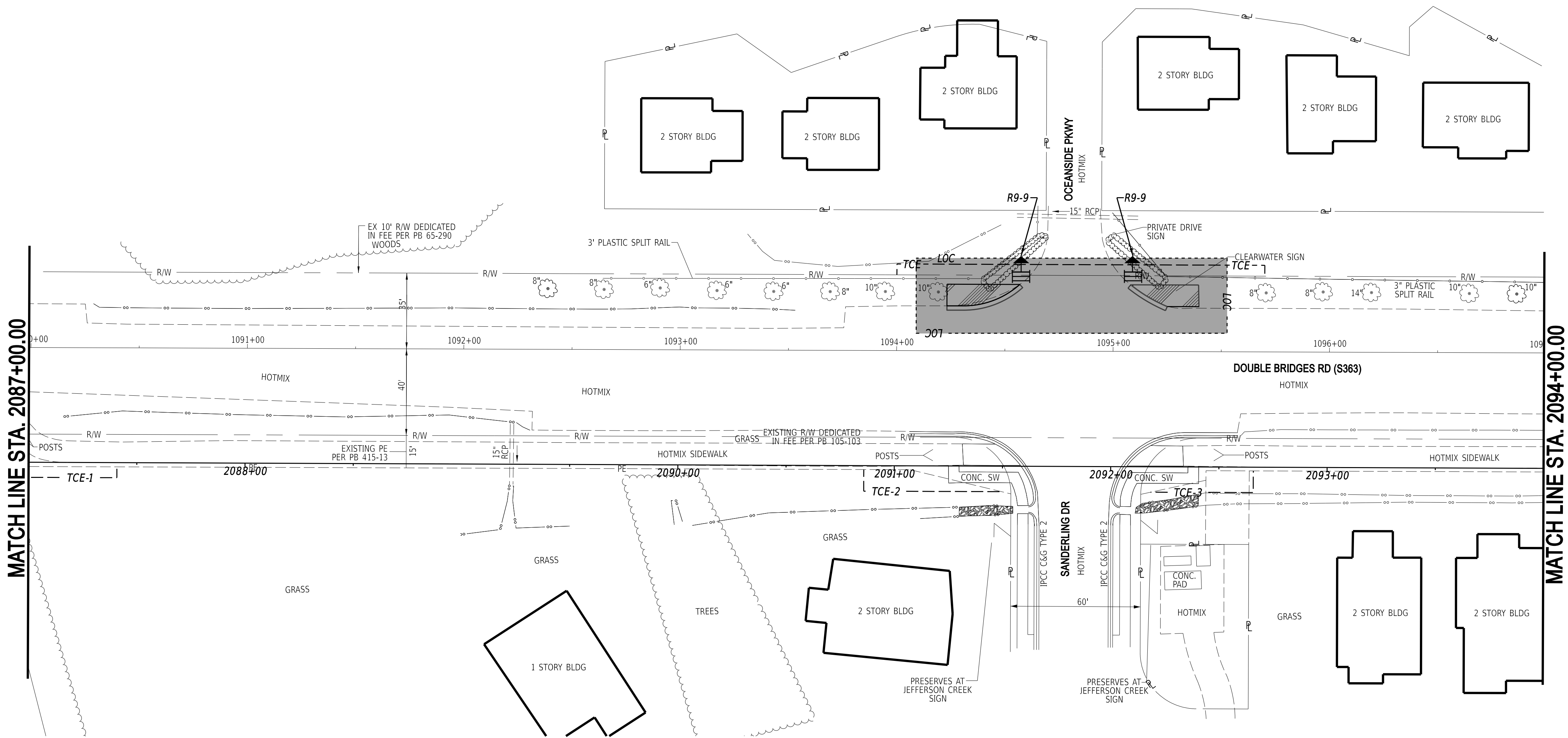
SECTION
CEN
SHEET NO.
41



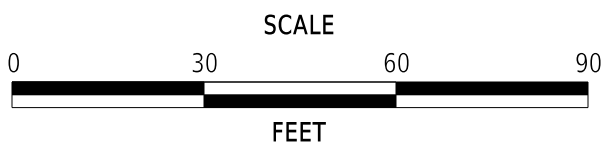
DOUBLE BRIDGES ROAD PATHWAY TYPICAL MOT SECTION

PHASE 2 SEQUENCE OF CONSTRUCTION - STA. 2091+24.01 TO STA. 2092+40.46

1. INSTALL EROSION AND SEDIMENT CONTROL DEVICES.
2. USING TA-10 EXCAVATE FULL DEPTH AND CONSTRUCT PEDESTRIAN CONNECTIONS AS SHOWN. PROTECT UNFINISHED WORK AREAS WITH DRUMS.
3. PLACE "PATHWAY CLOSED" SIGN ON TEMPORARY BARRICADES AT THE BEGINNING OF CONSTRUCTION. ALL MID-BLOCK CROSSINGS SHALL REMAIN CLOSED UNTIL ALL SIGNING, STRIPING, AND SIGNALIZATION HAS BEEN INSTALLED AND ACTIVATED.
4. ALL DISTURBED AREAS SHALL BE GRADED TO DRAIN PROPERLY. THE CONTRACTOR SHALL PLACE TOPSOIL AND PERMANENT SEEDING ON ALL AREAS IN FINAL CONDITIONS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.



ADDENDA / REVISIONS



DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

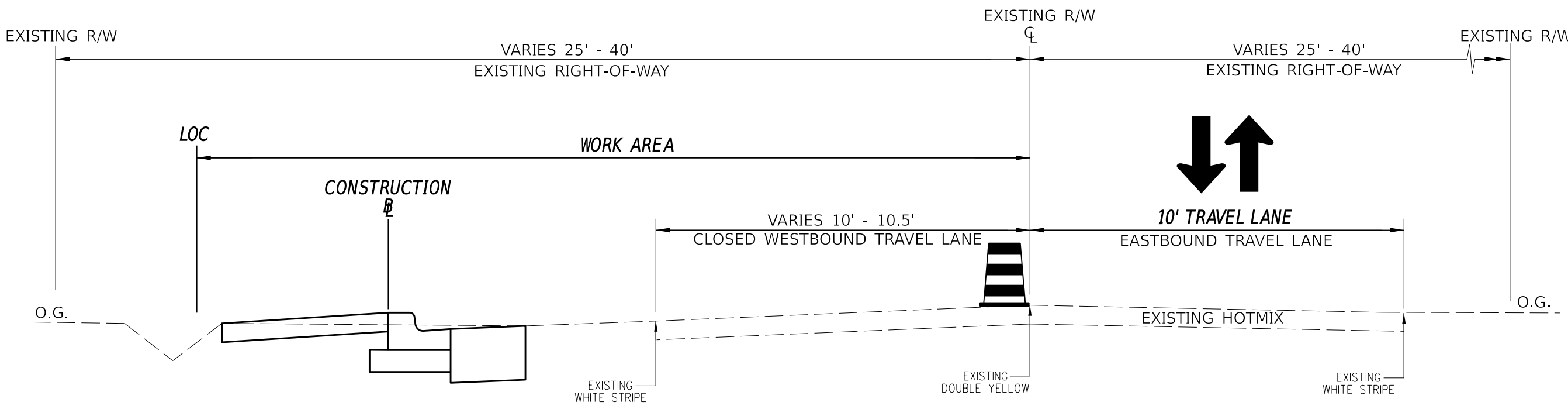
CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 2

SECTION
CEN
SHEET NO.
42

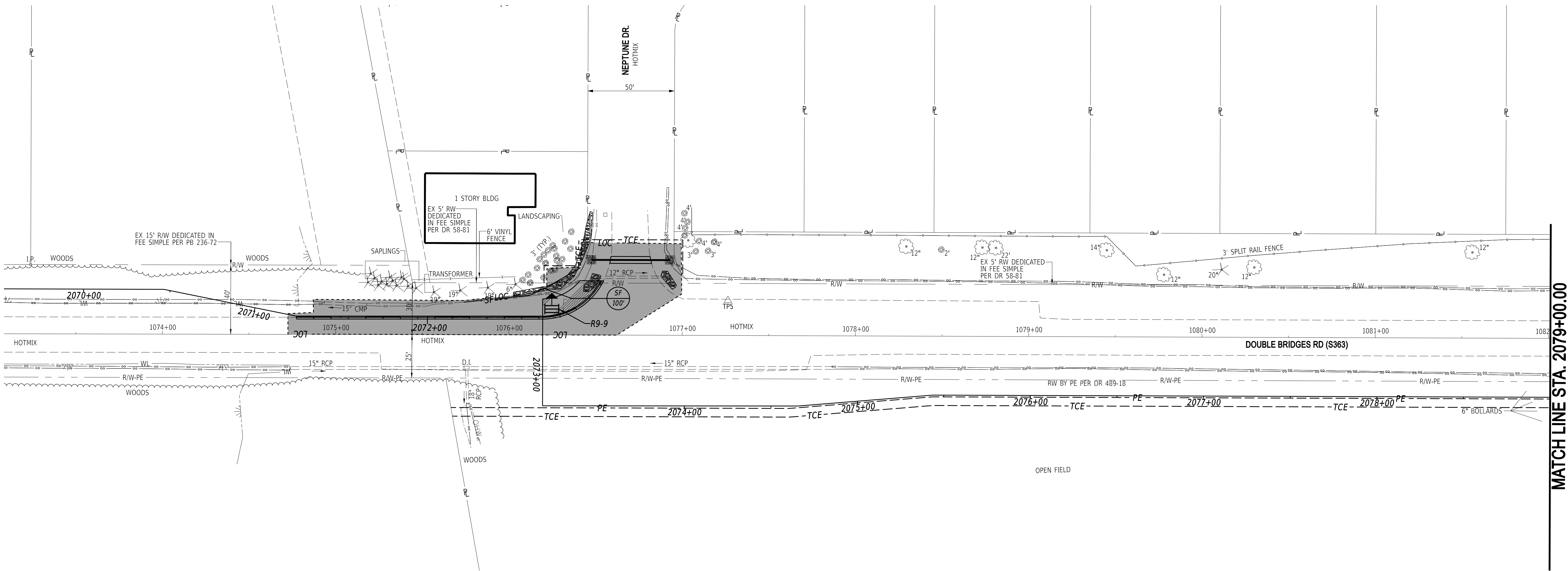


PHASE 2 SEQUENCE OF CONSTRUCTION - STA. 2071+24.38 TO STA. 2074+00.00

1. UTILIZING TA-10, CLEAR LIMITS OF CONSTRUCTION OF TREES AND ROOTMAT PER CONSTRUCTION DETAIL, UNLESS OTHERWISE NOTED IN THE PLANS.
2. INSTALL PROPOSED DRAINAGE ITEMS, PLACE FLOWABLE FILL, AND REMOVE EXISTING DRAINAGE FACILITIES AS SHOWN.
3. CONTRACTOR SHALL INSTALL EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.
4. EXCAVATE FULL DEPTH AND CONSTRUCT PEDESTRIAN CONNECTION, CURB & GUTTER ON THE WESTBOUND SIDE OF DOUBLE BRIDGES ROAD AS SHOWN IN SHADED AREAS, PLACE CROSS-ROAD PIPE AND RIPRAP ON NEPTUNE DRIVE. PROTECT UNFINISHED WORK AREAS WITH DRUMS.
5. PLACE "PATHWAY CLOSED" SIGN ON TEMPORARY BARRICADES AT THE BEGINNING OF CONSTRUCTION. ALL MID-BLOCK CROSSINGS SHALL REMAIN CLOSED UNTIL ALL SIGNING AND STRIPING HAS BEEN INSTALLED.
6. ALL DISTURBED AREAS SHALL BE GRADED TO DRAIN PROPERLY. THE CONTRACTOR SHALL PLACE TOPSOIL AND PERMANENT SEEDING ON ALL AREAS IN FINAL CONDITIONS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

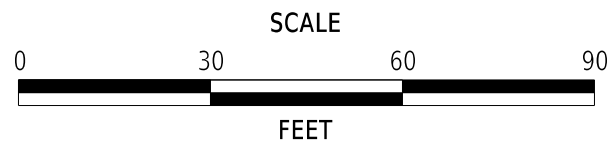


DOUBLE BRIDGES ROAD PATHWAY TYPICAL MOT SECTION



MATCH LINE STA. 2079+00.00

ADDENDA / REVISIONS



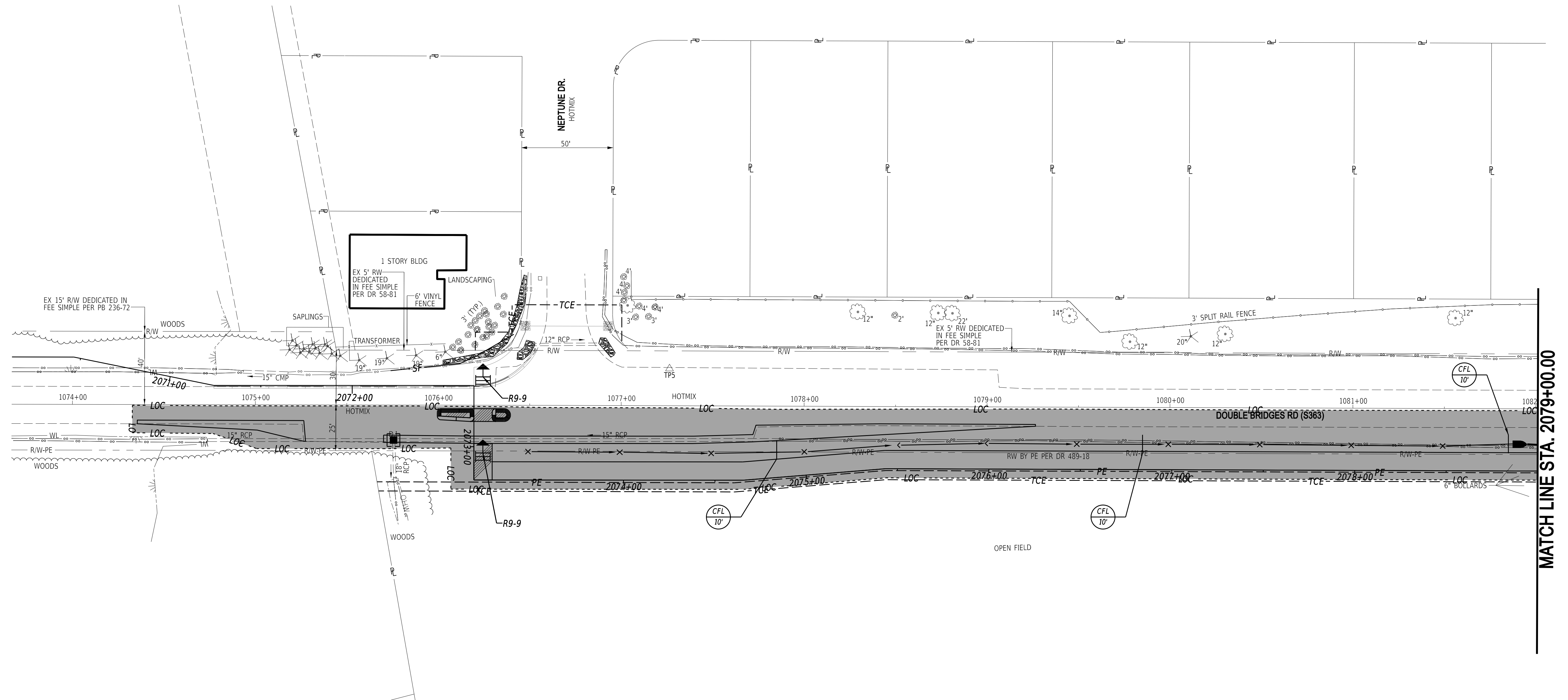
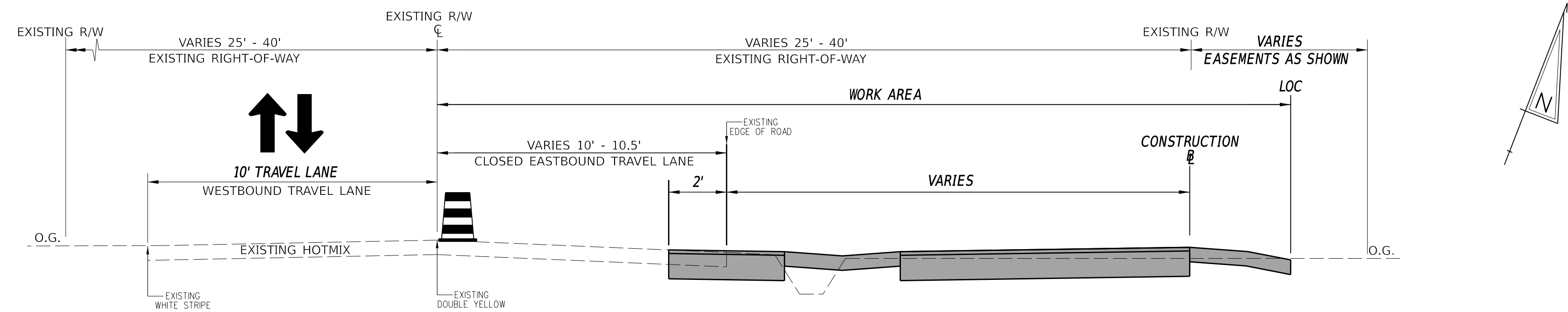
DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 2

SECTION
CEN
SHEET NO.
43

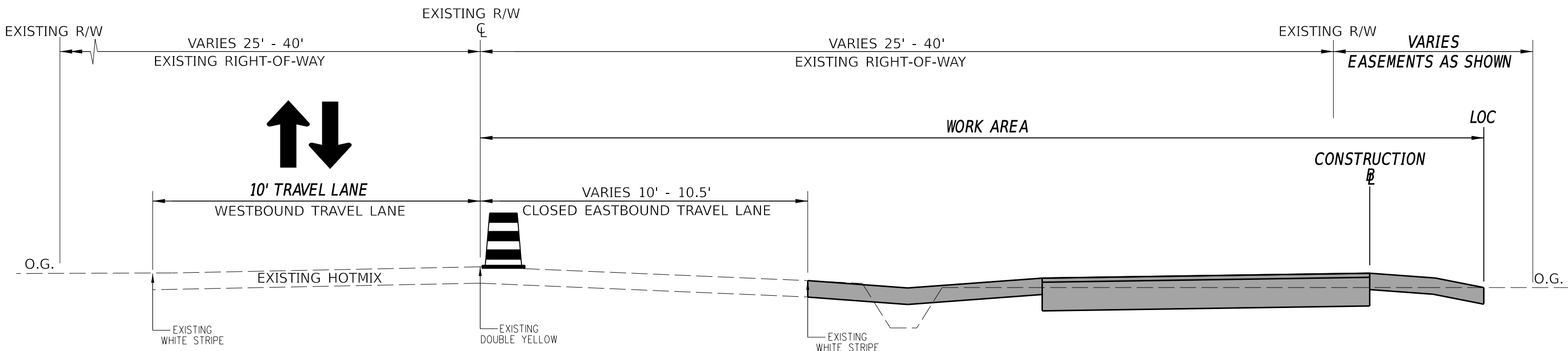
1. CONSTRUCT PROPOSED DRAINAGE FROM OUTFALL TO HIGHEST POINT.
2. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.
3. REMOVE EXISTING 15" RCP, PLUG EXISTING DRAINAGE INLET, PATCH AND WIDEN ROAD AS SHOWN. USE TA-10 TO MAINTAIN TRAFFIC. ONLY EXCAVATE AS MUCH AS CAN BE CONSTRUCTED UP TO THE TOP OF THE TYPE B HOT MIX IN ONE DAY. USE DRUMS AT NIGHT TO KEEP TRAFFIC FROM DRIVING IN THE WIDENED AREA UNTIL THE WIDENING IS COMPLETE.
4. EXCAVATE FULL DEPTH AND CONSTRUCT BITUMINOUS CONCRETE PATHWAY, DRIVEWAYS, CURBS, PEDESTRIAN CONNECTIONS, SPLITTER ISLANDS, AND RAPID FLASHING BEACONS.
5. PLACE "PATHWAY CLOSED" SIGN ON TEMPORARY BARRICADES AT THE BEGINNING OF CONSTRUCTION. ALL MID-BLOCK CROSSINGS SHALL REMAIN CLOSED UNTIL ALL SIGNING AND STRIPING HAS BEEN INSTALLED.
6. ALL DISTURBED AREAS SHALL BE GRADED TO DRAIN PROPERLY. THE CONTRACTOR SHALL PLACE TOPSOIL AND PERMANENT SEEDING ON ALL AREAS IN FINAL CONDITIONS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.



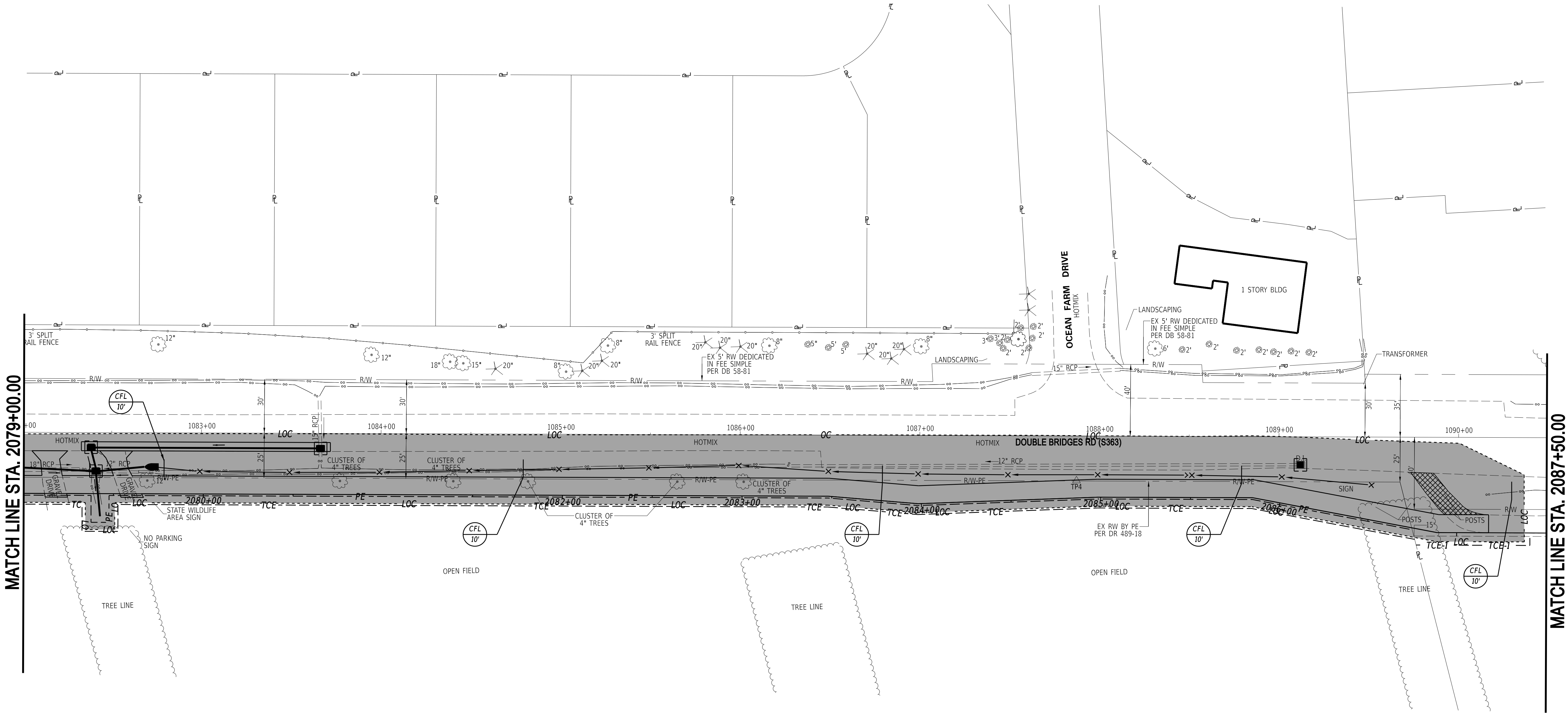
ADDENDA / REVISIONS		0306090 SCALE FEET	DOUBLE BRIDGES ROAD PATHWAY, MUDDY NECK TO NEPTUNE DRIVE	CONTRACT	BRIDGE NO.	N/A	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 3	SECTION
				T201769009	DESIGNED BY: T. BANEZ	CEN		
				COUNTY				SHEET NO.
				SUSSEX				

PHASE 3 SEQUENCE OF CONSTRUCTION - STA. STA. 2079+00.00 TO STA. 2087+00.00

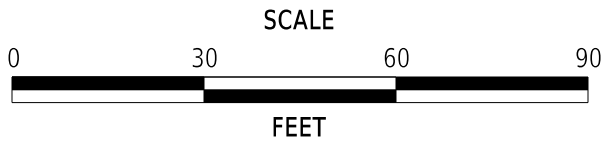
1. CONSTRUCT PROPOSED DRAINAGE FROM OUTFALL TO HIGHEST POINT.
2. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.
3. EXCAVATE FULL DEPTH AND CONSTRUCT BITUMINOUS CONCRETE PATHWAY, DRIVEWAYS, CURBS, PEDESTRIAN CONNECTIONS, SPLITTER ISLANDS, AND RAPID FLASHING BEACONS.
4. ALL DISTURBED AREAS SHALL BE GRADED TO DRAIN PROPERLY. THE CONTRACTOR SHALL PLACE TOPSOIL AND PERMANENT SEEDING ON ALL AREAS IN FINAL CONDITIONS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.



DOUBLE BRIDGES ROAD PATHWAY TYPICAL MOT SECTION



ADDENDA / REVISIONS



DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

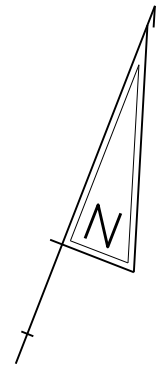
CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 3

SECTION
CEN
SHEET NO.
45



6-MAY-2026
13:46
L:\Delaware Department of Transportation\2025\35417.01\11-T11 - T201769009 Double Br\Working\155002-24 (Task 24, Double Bridges)\CADD FILES\Sheets\CS\03-03.DB.dgn

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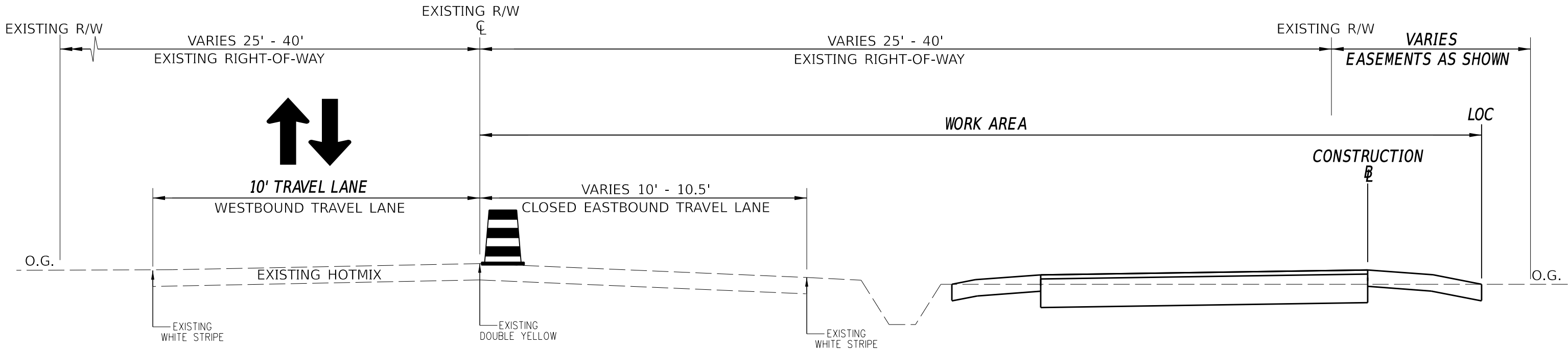
A horizontal scale bar with a black border. Above the bar, the word "SCALE" is centered. Below the bar, the word "FEET" is centered. The bar has four major tick marks labeled "0", "30", "60", and "90" from left to right. The segment between 0 and 30 is white, the segment between 30 and 60 is black, and the segment between 60 and 90 is white.



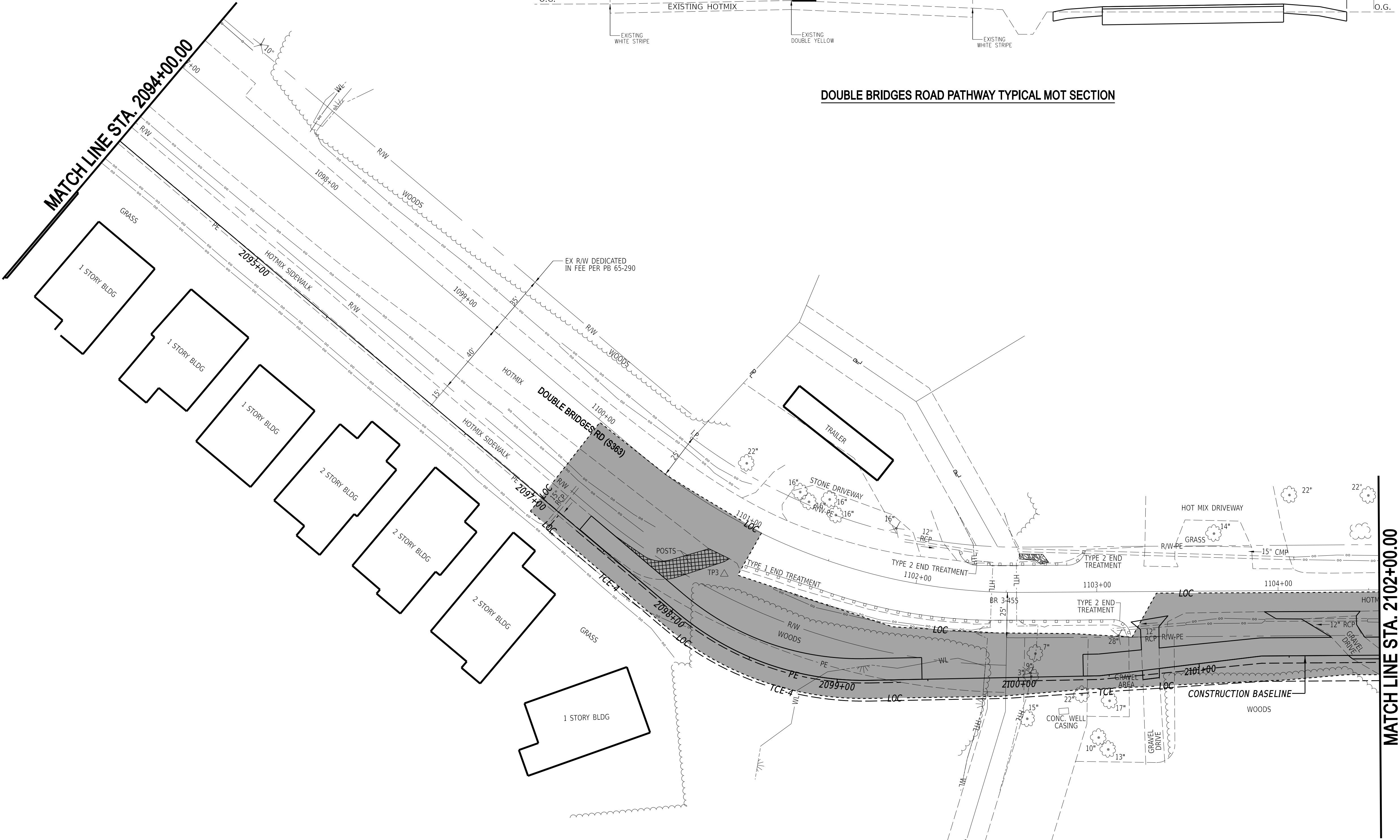
ADDENDA / REVISIONS			DOUBLE BRIDGES ROAD PATHWAY, MUDDY NECK TO NEPTUNE DRIVE	CONTRACT	BRIDGE NO.	N/A	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 3	SECTION
				T201769009				CEN
				COUNTY	DESIGNED BY:	T. BANEZ		SHEET NO.
				SUSSEX	CHECKED BY:	J. HERMES		46

PHASE 3 SEQUENCE OF CONSTRUCTION - STA. 2094+00.00 TO STA. 2102+00.00

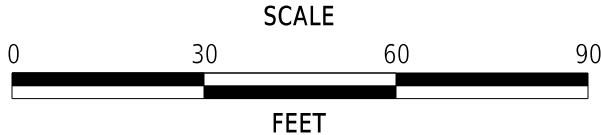
1. FOR AREAS WHERE THE BASE OF THE PROPOSED PATHWAY WAS CONSTRUCTED FOR THE PLACEMENT OF THE PEDESTRIAN BRIDGE, REDERESS THE GABC LIFT AS NEEDED, PLACE TOP LAYER OF GEOTEXTILE, SEPARATION, AND PLACE HOT MIX PER TYPICAL SECTIONS. EXCAVATE FULL DEPTH AND CONSTRUCT THE REST OF THE BITUMINOUS CONCRETE PATHWAY, DRIVEWAYS, AND PCC CURBS AND PEDESTRIAN CONNECTIONS AS SHOWN IN THIS PHASE.
2. ALL DISTURBED AREAS SHALL BE GRADED TO DRAIN PROPERLY. THE CONTRACTOR SHALL PLACE TOPSOIL AND PERMANENT SEEDING ON ALL AREAS IN FINAL CONDITIONS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.



DOUBLE BRIDGES ROAD PATHWAY TYPICAL MOT SECTION



ADDENDA / REVISIONS



DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

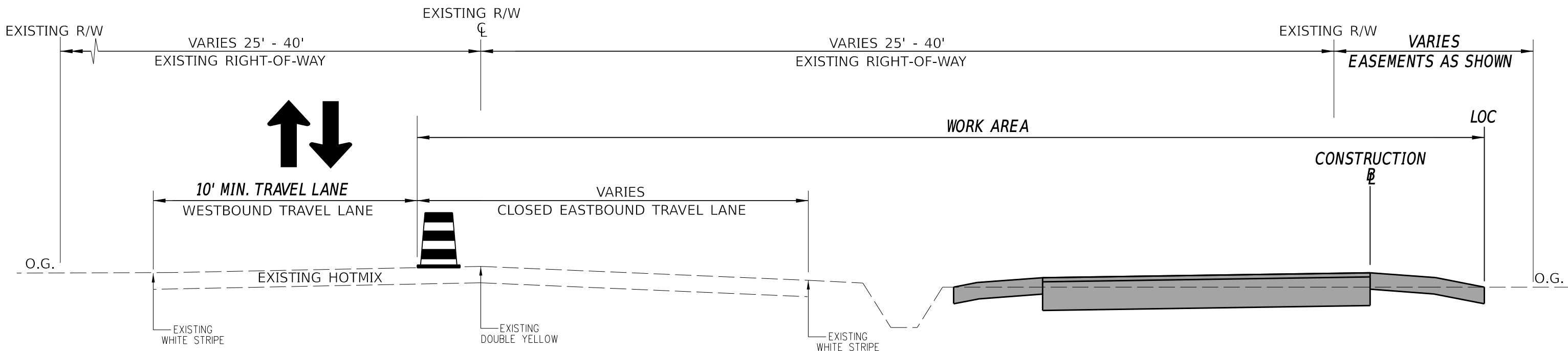
CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 3

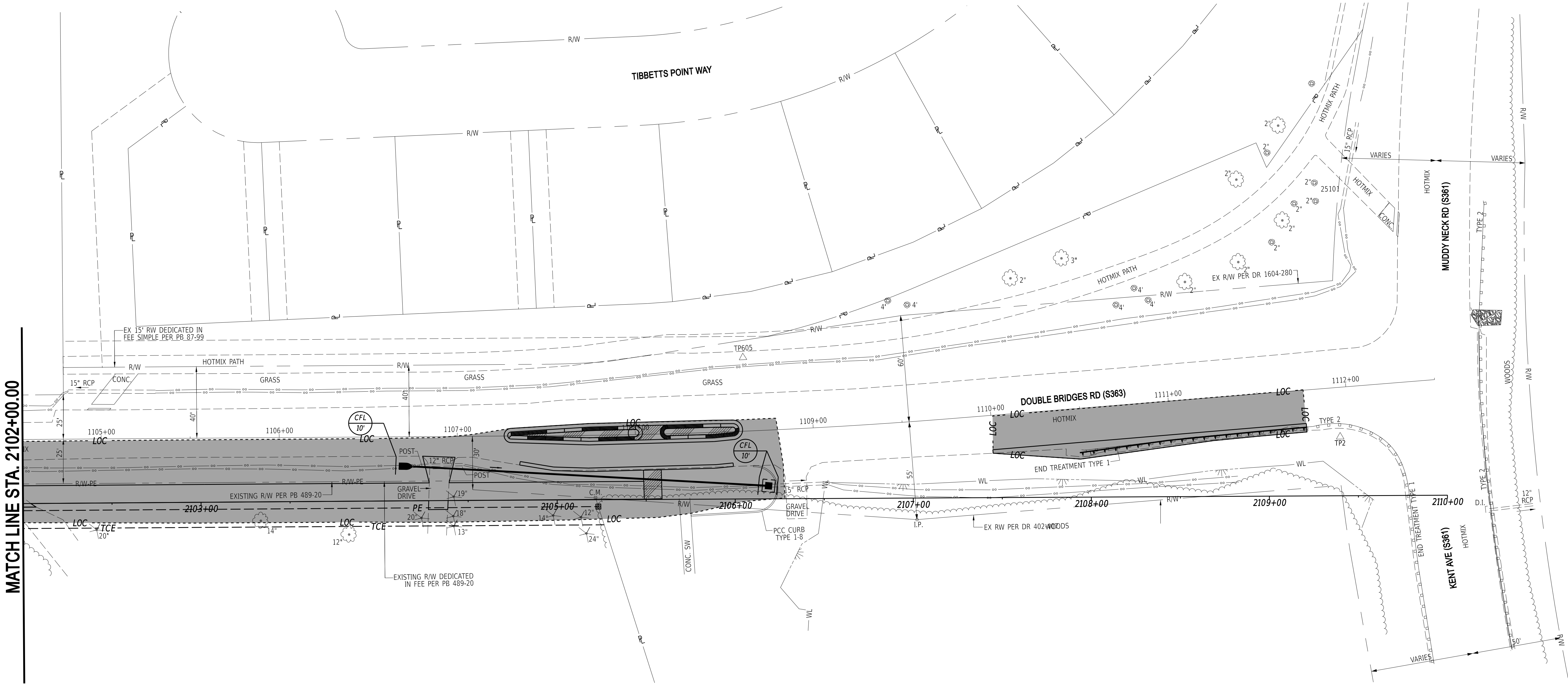
SECTION
CEN
SHEET NO.
47

PHASE 3 SEQUENCE OF CONSTRUCTION - STA. 2102.00 TO STA. 2106+22.23

1. INSTALL PROPOSED DRAINAGE ITEMS AND REMOVE EXISTING DRAINAGE FACILITIES AS SHOWN.
2. CONTRACTOR SHALL INSTALL INLET PROTECTION AND OTHER EROSION AND SEDIMENT CONTROL DEVICES ON PROPOSED DRAINAGE.
3. USING TA-10, WIDEN ROADWAY IN THE AREAS SHOWN, BRINGING THE TYPE C HOT MIX UP TO THE EXISTING WEARING SURFACE.
4. USING TA-10 EXCAVATE FULL DEPTH AND CONSTRUCT EASTBOUND BITUMINOUS CONCRETE PATHWAY, PEDESTRIAN CONNECTION, RAPID FLASHING BEACONS, AND PROPOSED GUARDRAIL. PROTECT UNFINISHED WORK AREAS WITH DRUMS.
5. USING TA-10 EXCAVATE FULL DEPTH AND CONSTRUCT WESTBOUND BITUMINOUS CONCRETE PATHWAY, PEDESTRIAN CONNECTION, SPLITTER ISLAND, AND REMAINING RAPID FLASHING BEACONS. PROTECT UNFINISHED WORK AREAS WITH DRUMS.
6. PLACE "PATHWAY CLOSED" SIGN ON TEMPORARY BARRICADES AT THE BEGINNING OF CONSTRUCTION. ALL MID-BLOCK CROSSINGS SHALL REMAIN CLOSED UNTIL ALL SIGNING AND STRIPING HAS BEEN INSTALLED.
7. ALL DISTURBED AREAS SHALL BE GRADED TO DRAIN PROPERLY. THE CONTRACTOR SHALL PLACE TOPSOIL AND PERMANENT SEEDING ON ALL AREAS IN FINAL CONDITIONS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

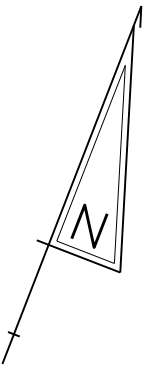


DOUBLE BRIDGES ROAD PATHWAY TYPICAL MOT SECTION

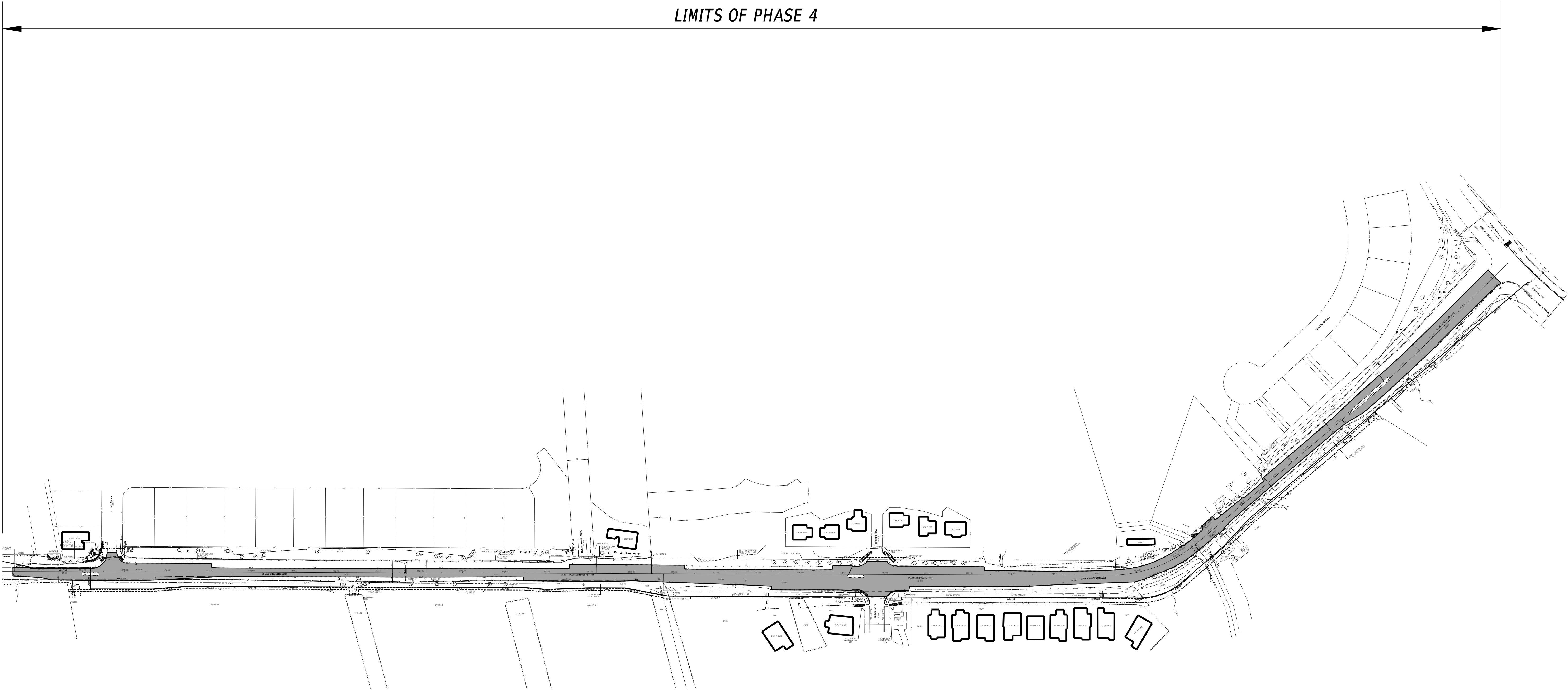


PHASE 4 SEQUENCE OF CONSTRUCTION - STA. 2070+65.00 TO STA. 2109+50.81

- 1. PHASE 4 CONSISTS OF MILLING AND OVERLAYING WITHIN THE LIMITS SHOWN ON THE PLANS, INSTALLATION OF FINAL SIGNING AND STRIPING, AND REMOVAL OF EROSION CONTROL MEASURES UPON ACCEPTANCE BY THE ENGINEER, AND REMOVAL OF ADVANCED WARNING SIGNS AND MAINTENANCE OF TRAFFIC MEASURES.
- 2. ADJUST MANHOLES AND MILL AND OVERLAY DOUBLE BRIDGES ROAD WITHIN THE AREA SHOWN. MILL AND OVERLAY INTERSECTING STREETS TO EXISTING PAVEMENT JOINTS.
- 3. PERFORM FINAL SIGNING AND STRIPING. THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC CONSTRUCTION (302-760-2565) 5 DAYS IN ADVANCE OF COMPLETING THE FINAL STRIPING.
- 4. REMOVE TEMPORARY AND PERMANENT WARNING SIGNS.



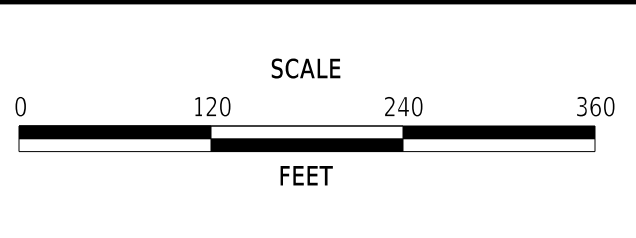
LIMITS OF PHASE 4



6-MAY-2026 13:46 L:\Delaware Department of Transportation\2023\5417.0\1A-T11 - T201769009 Double Br\Working\55002.24 (Task 24, Double Bridges)\CADD FILES\Sheets\CS\cs_04-01_DB.dgn



ADDENDA / REVISIONS	



DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

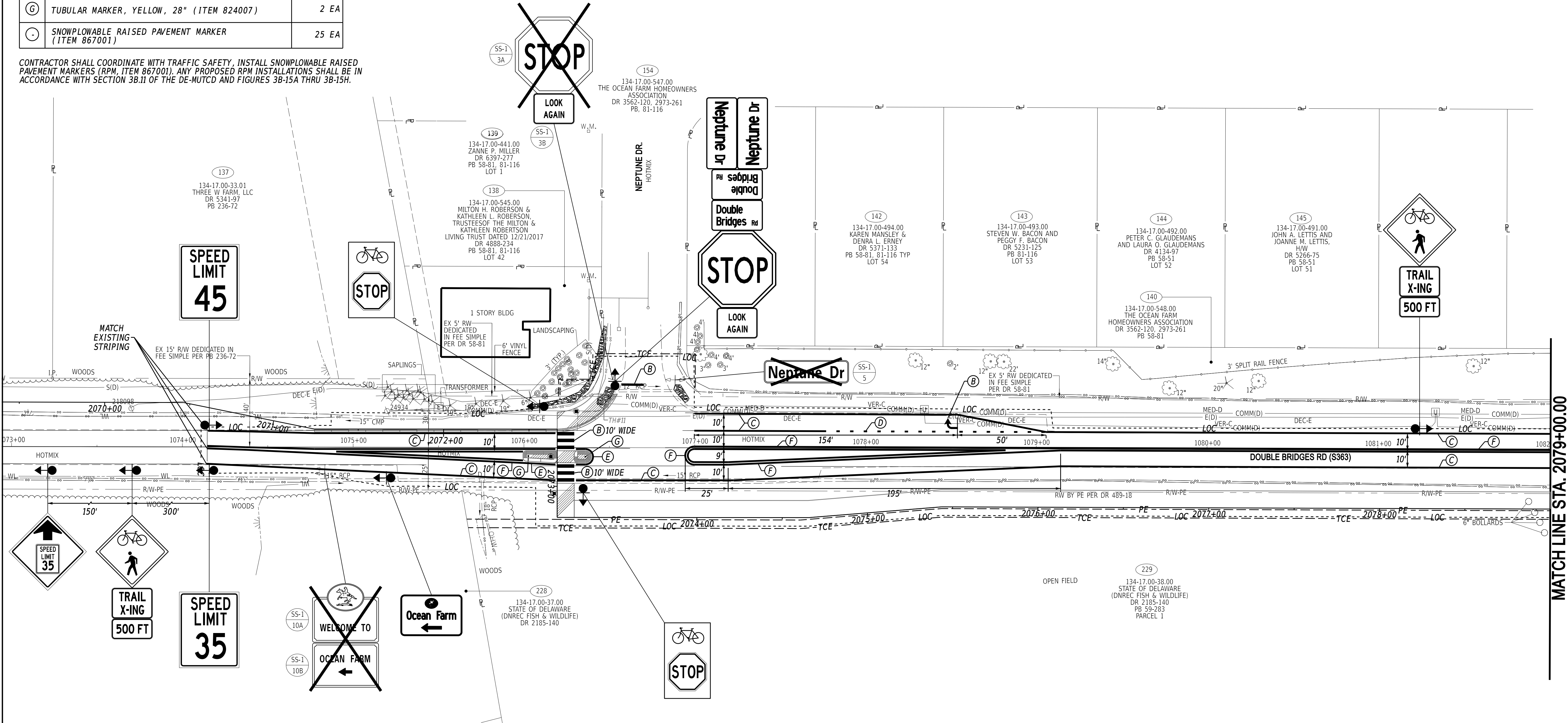
CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 4

SECTION
CEN
SHEET NO.
49



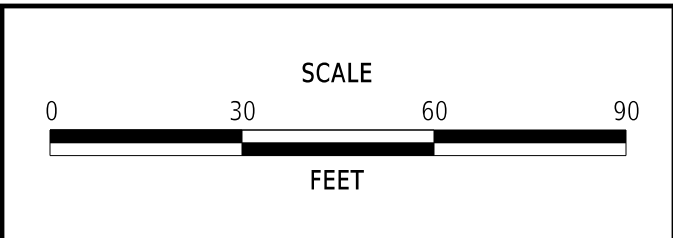
PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC WHITE 12" (ITEM 862004)	0 LF
(B)	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC SYMBOL/LEGEND (ITEM 862006)	153 SF
(C)	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE 6" (ITEM 861001)	1,558 LF
(D)	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE 6" DOTTED, 2' LINE / 6' GAP (ITEM 861001)	32 LF
(E)	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW 6" (ITEM 861001)	65 LF
(F)	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, DOUBLE YELLOW 6" (ITEM 861001)	1,985 LF
(G)	TUBULAR MARKER, YELLOW, 28" (ITEM 824007)	2 EA
(.)	SNOWPLOWABLE RAISED PAVEMENT MARKER (ITEM 867001)	25 EA

CONTRACTOR SHALL COORDINATE WITH TRAFFIC SAFETY. INSTALL SNOWPLOWABLE RAISED PAVEMENT MARKERS (RPM, ITEM 867001). ANY PROPOSED RPM INSTALLATIONS SHALL BE IN ACCORDANCE WITH SECTION 3B.11 OF THE DE-MUTCD AND FIGURES 3B-15A THRU 3B-15H.



MATCH LINE STA. 2079+00.00

ADDENDA / REVISIONS	



**DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE**

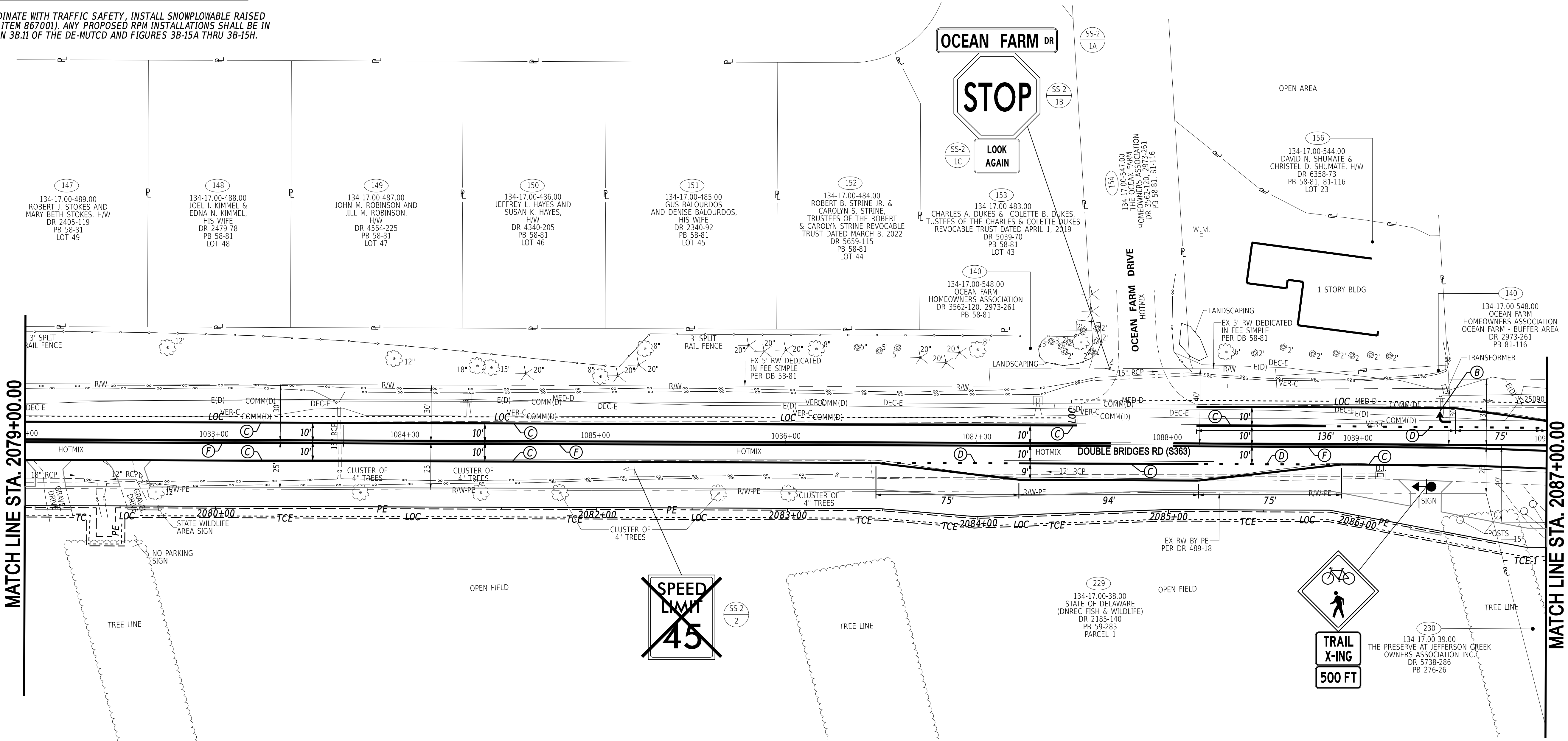
CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

SIGNING, STRIPING AND CONDUIT PLAN	

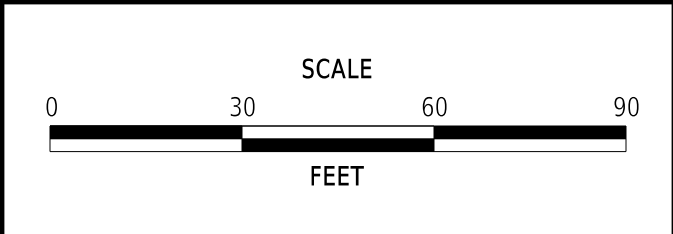
SS-01
SECTION
CEN
SHEET NO.
50

PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC WHITE 12" (ITEM 862004)	0 LF
(B)	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC SYMBOL/LEGEND (ITEM 862006)	16 SF
(C)	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE 6" (ITEM 861001)	1,697 LF
(D)	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE 6" DOTTED, 2' LINE / 6' GAP (ITEM 861001)	68 LF
(E)	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW 6" (ITEM 861001)	0 LF
(F)	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, DOUBLE YELLOW 6" (ITEM 861001)	1,530 LF
(G)	TUBULAR MARKER, YELLOW, 28" (ITEM 824007)	0 EA
(.)	SNOWPLOWABLE RAISED PAVEMENT MARKER (ITEM 867001)	14 EA

CONTRACTOR SHALL COORDINATE WITH TRAFFIC SAFETY, INSTALL SNOWPLOWABLE RAISED PAVEMENT MARKERS (RPM, ITEM 867001). ANY PROPOSED RPM INSTALLATIONS SHALL BE IN ACCORDANCE WITH SECTION 3B.11 OF THE DE-MUTCD AND FIGURES 3B-15A THRU 3B-15H.



ADDENDA / REVISIONS	



DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

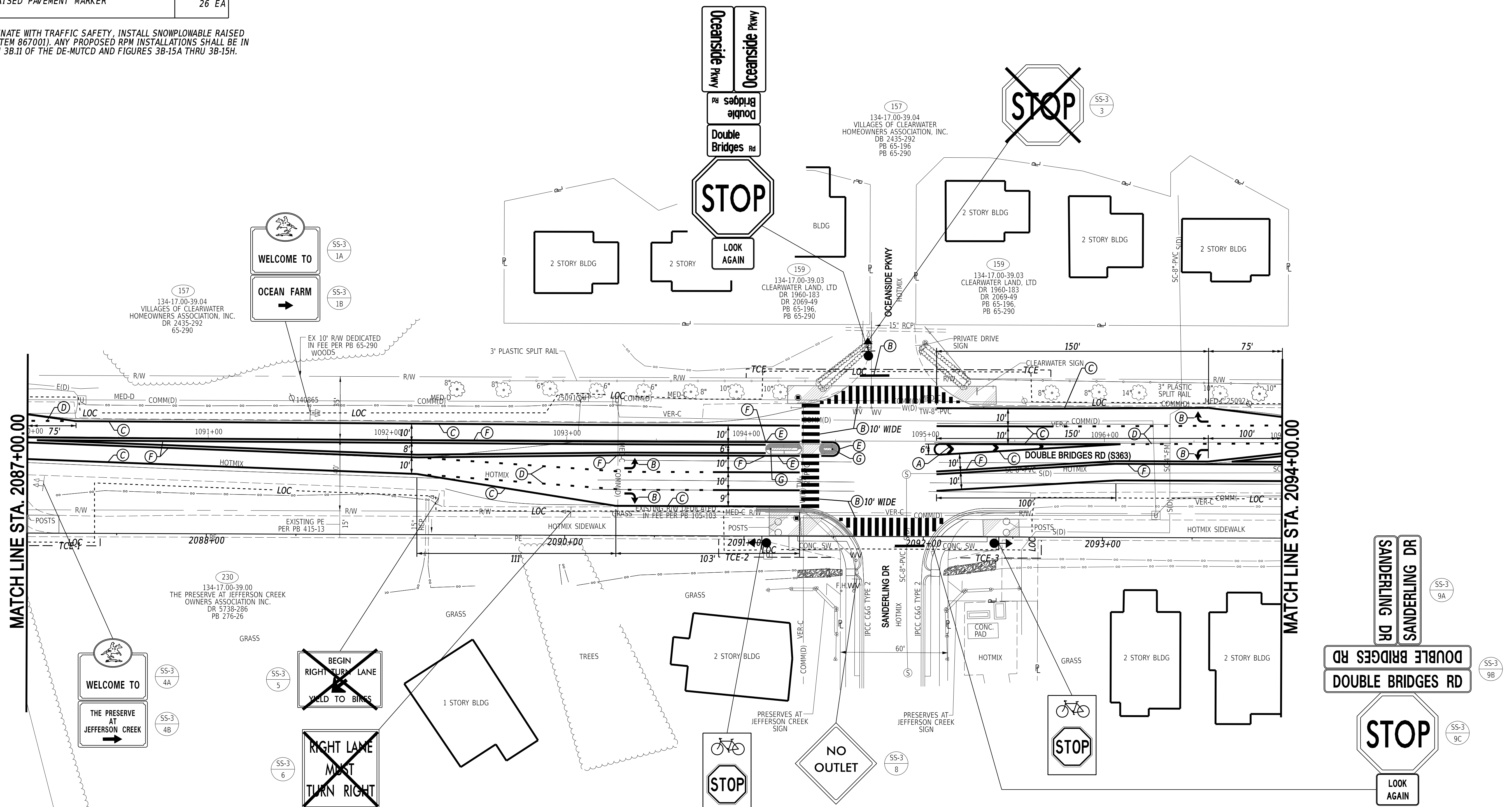
CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

SIGNING, STRIPING AND CONDUIT PLAN	

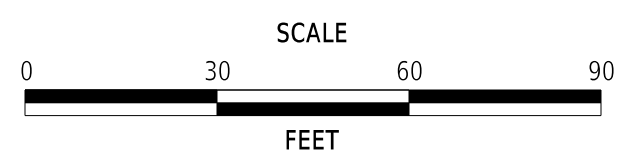
SS-02
SECTION
CEN
SHEET NO.
51

PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC WHITE 12" (ITEM 862004)	20 LF
(B)	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC SYMBOL/LEGEND (ITEM 862006)	956 SF
(C)	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE 6" (ITEM 861001)	1,623 LF
(D)	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE 6" DOTTED, 2' LINE / 6" GAP (ITEM 861001)	144 LF
(E)	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW 6" (ITEM 861001)	63 LF
(F)	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, DOUBLE YELLOW 6" (ITEM 861001)	2,080 LF
(G)	TUBULAR MARKER, YELLOW, 28" (ITEM 824007)	2 EA
(-)	SNOWPLOWABLE RAISED PAVEMENT MARKER (ITEM 867001)	26 EA

CONTRACTOR SHALL COORDINATE WITH TRAFFIC SAFETY. INSTALL SNOWPLOWABLE RAISED PAVEMENT MARKERS (RPM, ITEM 867001). ANY PROPOSED RPM INSTALLATIONS SHALL BE IN ACCORDANCE WITH SECTION 3B.11 OF THE DE-MUTCD AND FIGURES 3B-15A THRU 3B-15H.



ADDENDA / REVISIONS	

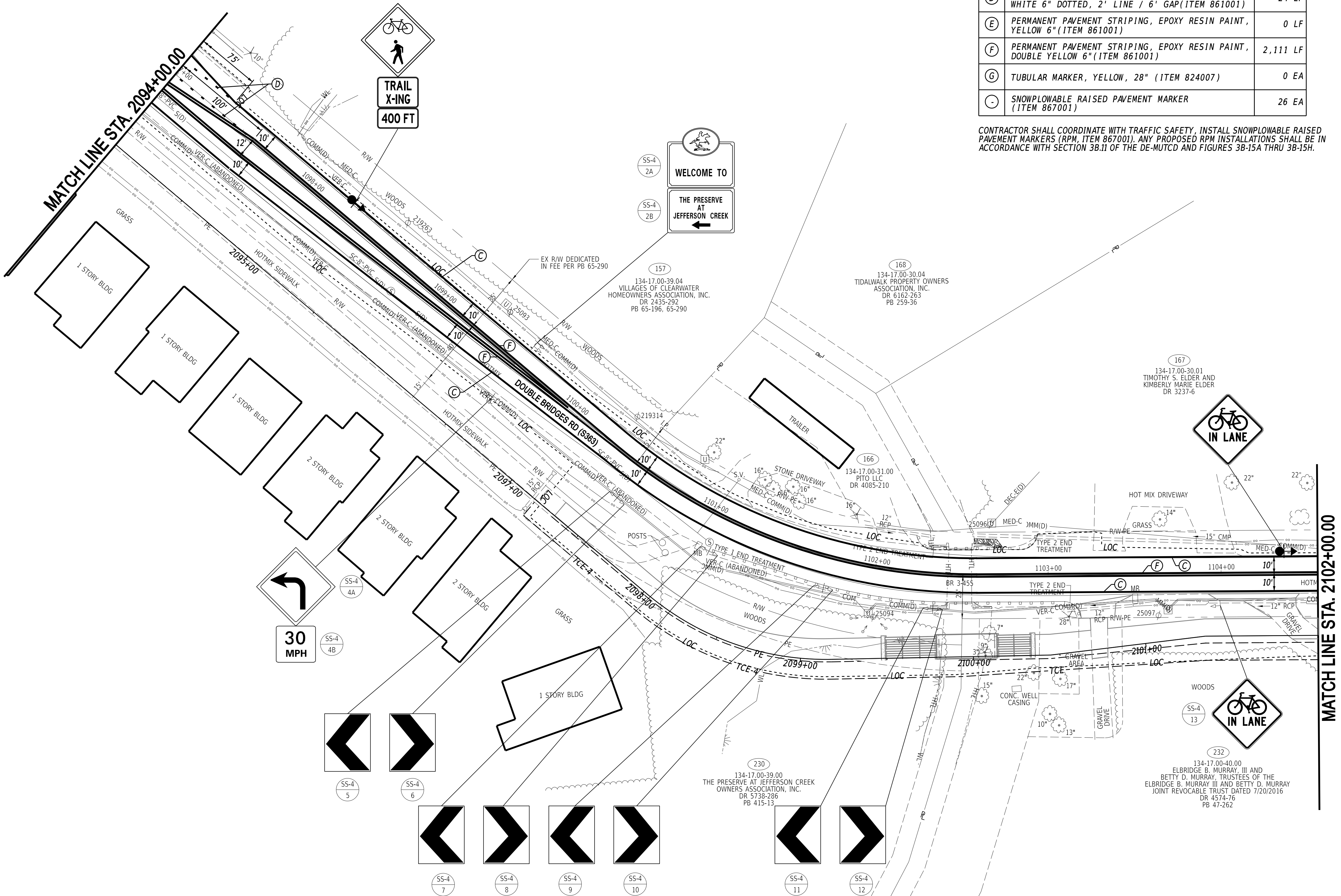


DOUBLE BRIDGES ROAD PATHWAY, MUDDY NECK TO NEPTUNE DRIVE

CONTRACT	BRIDGE NO.	N/A
T201769009		
COUNTY	DESIGNED BY: T. BANEZ	
SUSSEX	CHECKED BY:	J. HERMES

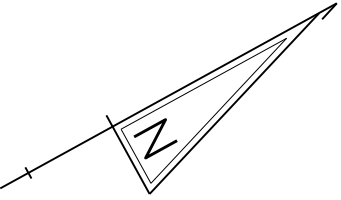
SIGNING, STRIPING AND CONDUIT PLAN

SS-03
SECTION
CEN
SHEET NO.
52

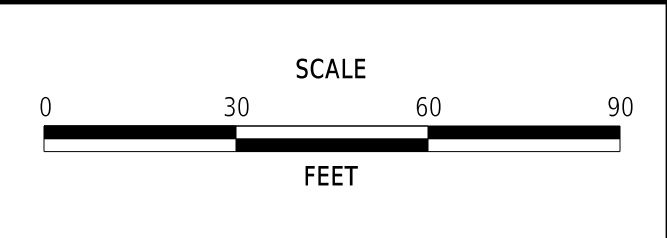


PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC WHITE 12" (ITEM 862004)	0 LF
(B)	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC SYMBOL/LEGEND (ITEM 862006)	0 SF
(C)	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE 6" (ITEM 861001)	1,518 LF
(D)	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE 6" DOTTED, 2' LINE / 6' GAP (ITEM 861001)	24 LF
(E)	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW 6" (ITEM 861001)	0 LF
(F)	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, DOUBLE YELLOW 6" (ITEM 861001)	2,111 LF
(G)	TUBULAR MARKER, YELLOW, 28" (ITEM 824007)	0 EA
(-)	SNOWPLOWABLE RAISED PAVEMENT MARKER (ITEM 867001)	26 EA

CONTRACTOR SHALL COORDINATE WITH TRAFFIC SAFETY. INSTALL SNOWPLOWABLE RAISED PAVEMENT MARKERS (RPM, ITEM 867001). ANY PROPOSED RPM INSTALLATIONS SHALL BE IN ACCORDANCE WITH SECTION 3B.11 OF THE DE-MUTCD AND FIGURES 3B-15A THRU 3B-15H.



ADDENDA / REVISIONS	



DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

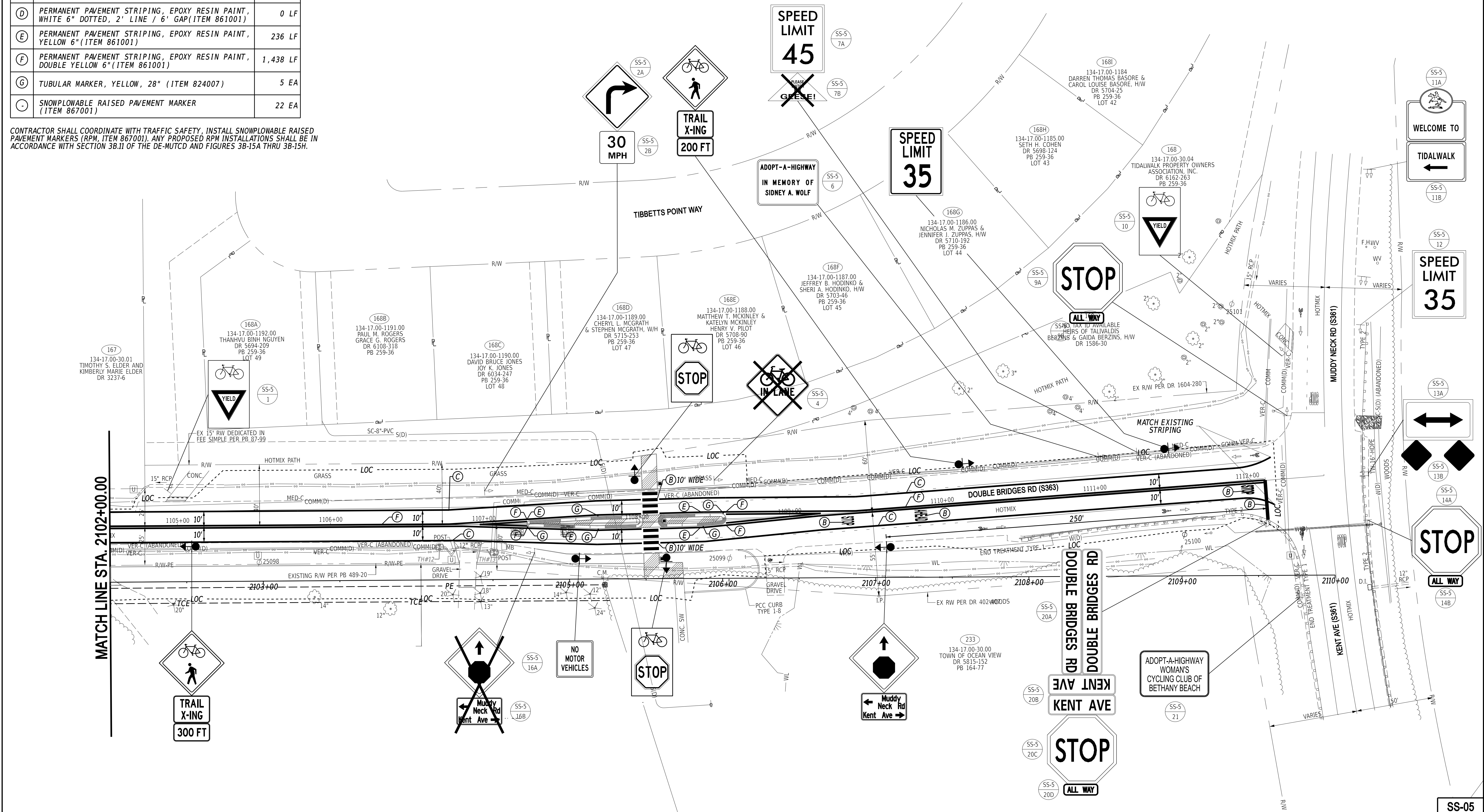
CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

SIGNING, STRIPING AND CONDUIT PLAN	

SS-04
SECTION
CEN
SHEET NO.
53

PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC WHITE 12" (ITEM 862004)	0 LF
(B)	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC SYMBOL/LEGEND (ITEM 862006)	275 SF
(C)	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE 6" (ITEM 861001)	1,500 LF
(D)	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE 6" DOTTED, 2' LINE / 6' GAP (ITEM 861001)	0 LF
(E)	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, YELLOW 6" (ITEM 861001)	236 LF
(F)	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, DOUBLE YELLOW 6" (ITEM 861001)	1,438 LF
(G)	TUBULAR MARKER, YELLOW, 28" (ITEM 824007)	5 EA
(-)	SNOWPLOWABLE RAISED PAVEMENT MARKER (ITEM 867001)	22 EA

CONTRACTOR SHALL COORDINATE WITH TRAFFIC SAFETY, INSTALL SNOWPLOWABLE RAISED PAVEMENT MARKERS (RPM, ITEM 867001). ANY PROPOSED RPM INSTALLATIONS SHALL BE IN ACCORDANCE WITH SECTION 3B.11 OF THE DE-MUTCD AND FIGURES 3B-15A THRU 3B-15H.



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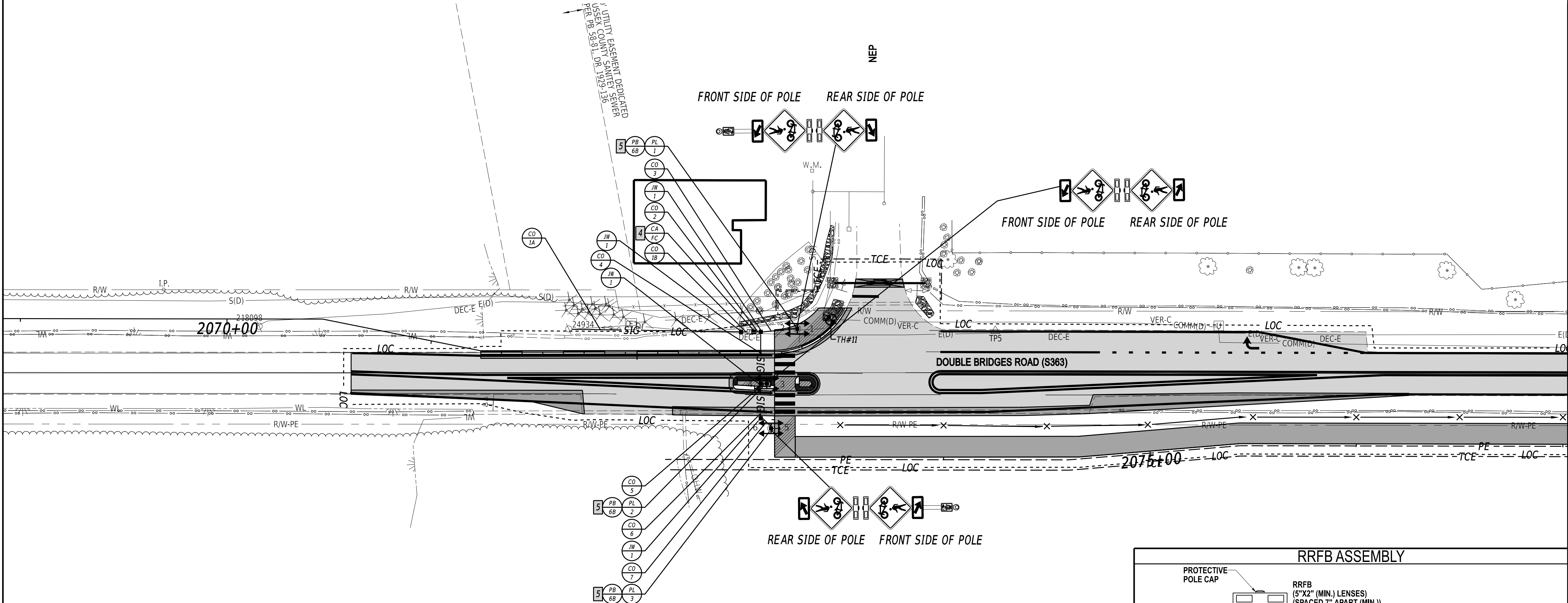
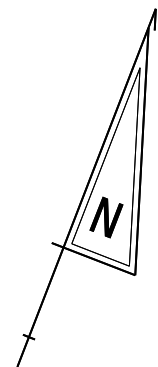
ADDENDA / REVISIONS		NOT TO SCALE	DOUBLE BRIDGES ROAD PATHWAY, MUDDY NECK TO NEPTUNE DRIVE	CONTRACT	BRIDGE NO.	N/A	SIGN SCHEDULE	SECTION
				T201769009	DESIGNED BY: T. BANEZ	CEN		
				COUNTY		SHEET		
				SUSSEX	CHECKED BY: J. HERMES	55		

[illegible]

ADDENDA / REVISIONS		NOT TO SCALE	DOUBLE BRIDGES ROAD PATHWAY, MUDDY NECK TO NEPTUNE DRIVE	CONTRACT	BRIDGE NO.	N/A	SIGN SCHEDULE	SECTION
				T201769009	DESIGNED BY: T. BANEZ	CEN		
				COUNTY		SHEET 1		
				SUSSEX	CHECKED BY: J. HERMES	56		

ADDITIONAL SIGNAL NOTES

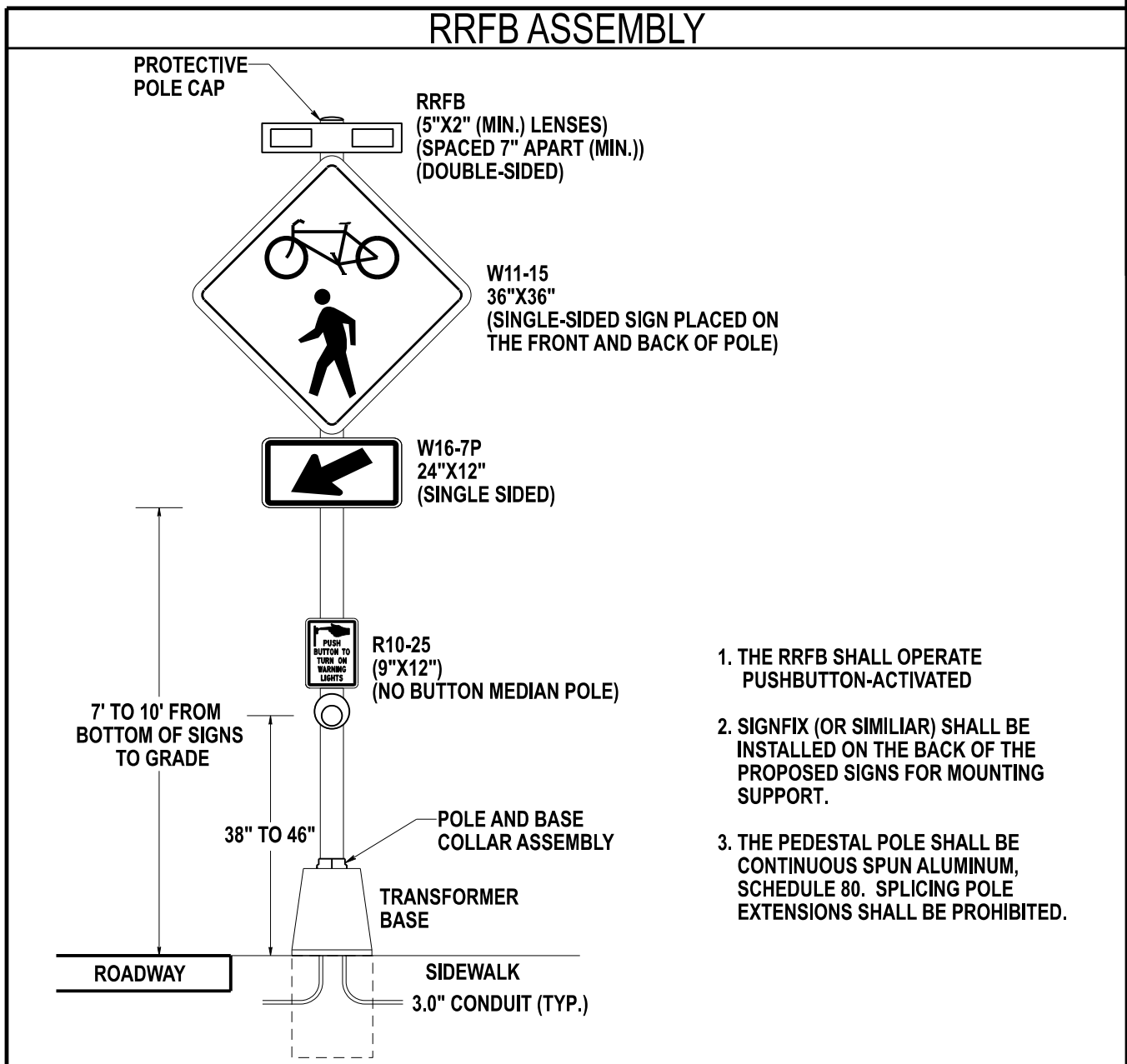
- 3 ALL GALVANIZED CONDUIT (RGS) SHALL BE REAMED AND THREADED. ALL RGS SHALL BE THREADED TOGETHER WITH APPROVED COUPLINGS. SET SCREW, BOLTED AND COMPRESSION FITTINGS ARE NOT ACCEPTABLE.
- 4 THE PROPOSED FLASHER CABINET SHALL BE INSTALLED ON THE PROPOSED METERED SERVICE PEDESTAL.
- 5 THE TRAFFIC CONTRACTOR SHALL INSTALL THE PROPOSED PEDESTRAIN PUSHBUTTONS IN ACCORDANCE WITH THE STANDARD CONSTRUCTION DETAIL T18-1 (2022) AT THE HEIGHT OF 38 TO 46 INCHES ABOVE THE ADJOINING SIDEWALK TO THE CENTER OF THE PUSHBUTTON.



CONDUIT RUN SCHEDULE					
CO NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
1A	1	2.0" -RGS	30' /85'	OS/T	NEW [(3) 1/#8 THHN - LINE SIDE]
1B	1	2.0" -RGS	5'	T	NEW [(3) 1/#8 THHN - LINE SIDE]
2	1	2.0" -RGS	5'	T	NEW [(3) 9/#14 (1)#6 GRND]
3	1	3.0" -PVC	15'	T	NEW [(1) 9/#14 (1)#6 GRND]
4	1	4.0" -HDPE	25'	B	NEW [(2) 9/#14 (1)#6 GRND]
5	1	3.0" -PVC	5'	T	NEW [(1) 9/#14 (1)#6 GRND]
6	1	4.0" -HDPE	15'	B	NEW [(1) 9/#14 (1)#6 GRND]
7	1	3.0" -PVC	5'	T	NEW [(1) 9/#14 (1)#6 GRND]
* DENOTES EXISTING CONDUIT RUN. TYPES: HDPE, PVC, RGS INSTALL METHODS: B=BORE, IB=IN BARRIER, OC=OPEN CUT, OS=ON STRUCTURE, T=TRENCH					

POLE SCHEDULE			
POLE #	POLE TYPE	HEIGHT	MATERIAL
1	PEDESTAL	14'	ALUMINUM
2	PEDESTAL	14'	ALUMINUM
3	PEDESTAL	14'	ALUMINUM

* TO BE REMOVED
X-DENOTES EXISTING



1. THE RRFB SHALL OPERATE PUSHBUTTON-ACTIVATED
2. SIGNFIX (OR SIMILIAR) SHALL BE INSTALLED ON THE BACK OF THE PROPOSED SIGNS FOR MOUNTING SUPPORT.
3. THE PEDESTAL POLE SHALL BE CONTINUOUS SPUN ALUMINUM, SCHEDULE 80. SPLICING POLE EXTENSIONS SHALL BE PROHIBITED.

SIGNAL PHASING

21-SECOND WARNING/ FLASHING TIME

SIGNAL HEAD DIAGRAM

1-6
ALTERNATELY FLASHING
(WW+S PATTERN)
YELLOW RRFB BEACONS

LEGEND

(AB)	ABANDON	(OH)	EXISTING OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
(CA)	EXISTING CABINET IDENTIFIER (TYPE OF CABINET)	(OH)	PROPOSED OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
(CA)	PROPOSED CABINET IDENTIFIER (TYPE OF CABINET)	(PB)	EXISTING POLE BASE IDENTIFIER (TYPE OF POLE BASE)
(CO)	EXISTING CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)	(PB)	PROPOSED POLE BASE IDENTIFIER (TYPE OF POLE BASE)
(CO)	PROPOSED CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)	(PL)	EXISTING POLE IDENTIFIER (# OF POLE)
(JW)	EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	(PL)	PROPOSED POLE IDENTIFIER (# OF POLE)
(JW)	PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	(RM)	REMOVE BY CONTRACTOR
(MA)	EXISTING MAST ARM IDENTIFIER (# OF ARM)	(RM)	REMOVE BY OTHERS
(MA)	PROPOSED MAST ARM IDENTIFIER (# OF ARM)	(TC)	REMOVE BY TRAFFIC CONTRACTOR

	EXISTING SYMBOL	PROPOSED SYMBOL
JUNCTION WELL	J.W.	
LOOP DETECTOR, TYPE 1		
LOOP DETECTOR, TYPE 2		
LUMINAIRE		
MAST ARM		
MICROWAVE DETECTION		
OPTICOM RECEIVER		
OVERHEAD SIGNING		
PEDESTRIAN POLE/BASE		
PEDESTRIAN PUSHBUTTON		
PEDESTRIAN SIGNAL HEAD		
RIGHT-OF-WAY		R/W
SERVICE PEDESTAL		
SIGNAL CABINET		
SIGNAL HEAD		
SIGNAL POLE/BASE		
CCTV CAMERA		
SPAN WIRE		
UTILITY POLE		
VIDEO DETECTION (FISH EYE)		
VIDEO DETECTION ZONE		

GENERAL SIGNAL NOTES

1. ALL SIGNAL EQUIPMENT REMOVED FROM A PROJECT IS TO BE RETURNED TO DELDOT TRAFFIC - DOVER, DELAWARE.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY, AND/OR THE APPROPRIATE UTILITY PRIOR TO THE BEGINNING OF CONSTRUCTION FOR THE UTILITY MARKOUTS. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC IMMEDIATELY BEFORE CONSTRUCTION.

PREPARED BY

CENTURY ENGINEERING

A Kleinfelder Company

[Signature]

THIS SEAL APPLIES TO ALL SHEETS BEARING THE "CEN" SECTION DESIGNATION.

02/11/2026

DATE

SEAL

CONCURRENCE FOR INSTALLATION

[Signature]

CHIEF OF TRAFFIC ENGINEERING

2/12/2026

DATE

CONTRACT

T201769009

COUNTY

SUSSEX

PERMIT NO.

S485

DESIGNED BY:

S. LENKIEWICZ

CHECKED BY:

T. BAÑEZ

RRFB SIGNAL PLAN

DOUBLE BRIDGES ROAD

@ NEPTUNE DRIVE

SECTION

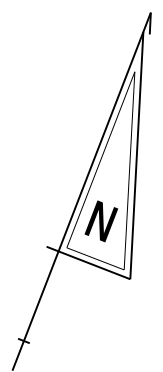
CEN

SHEET NO.

57

ADDITIONAL SIGNAL NOTES

- 3 ALL GALVANIZED CONDUIT (RGS) SHALL BE REAMED AND THREADED. ALL RGS SHALL BE THREADED TOGETHER WITH APPROVED COUPLINGS. SET SCREW, BOLTED AND COMPRESSION FITTINGS ARE NOT ACCEPTABLE.
- 4 THE PROPOSED FLASHER CABINET SHALL BE INSTALLED ON THE PROPOSED METERED SERVICE PEDESTAL.
- 5 THE TRAFFIC CONTRACTOR SHALL INSTALL THE PROPOSED PEDESTRAIN PUSHBUTTONS IN ACCORDANCE WITH THE STANDARD CONSTRUCTION DETAIL T18-1 (2022) AT THE HEIGHT OF 38 TO 46 INCHES ABOVE THE ADJOINING SIDEWALK TO THE CENTER OF THE PUSHBUTTON.



SIGNAL PHASING

25-SECOND WARNING/ FLASHING TIME

SIGNAL HEAD DIAGRAM

1-4
ALTERNATELY FLASHING
(WW+S PATTERN)
YELLOW RRFB BEACONS

LEGEND

(AB)	ABANDON	(OH)	EXISTING OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
(CA)	EXISTING CABINET IDENTIFIER (TYPE OF CABINET)	(OH)	PROPOSED OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
(CA)	PROPOSED CABINET IDENTIFIER (TYPE OF CABINET)	(PB)	EXISTING POLE BASE IDENTIFIER (TYPE OF POLE BASE)
(CO)	EXISTING CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)	(PB)	PROPOSED POLE BASE IDENTIFIER (TYPE OF POLE BASE)
(CO)	PROPOSED CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)	(PL)	EXISTING POLE IDENTIFIER (# OF POLE)
(JW)	EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	(PL)	PROPOSED POLE IDENTIFIER (# OF POLE)
(JW)	PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	(RM)	REMOVE BY CONTRACTOR
(MA)	EXISTING MAST ARM IDENTIFIER (# OF ARM)	(RM)	REMOVE BY OTHERS
(MA)	PROPOSED MAST ARM IDENTIFIER (# OF ARM)	(RM)	REMOVE BY TRAFFIC CONTRACTOR

	EXISTING SYMBOL	PROPOSED SYMBOL
JUNCTION WELL	J.W.	
LOOP DETECTOR, TYPE 1		
LOOP DETECTOR, TYPE 2		
LUMINAIRE		
MAST ARM		
MICROWAVE DETECTION		
OPTICOM RECEIVER		
OVERHEAD SIGNING		
PEDESTRIAN POLE/BASE		
PEDESTRIAN PUSHBUTTON		
PEDESTRIAN SIGNAL HEAD		
RIGHT-OF-WAY		R/W
SERVICE PEDESTAL		
SIGNAL CABINET		
SIGNAL HEAD		
SIGNAL POLE/BASE		
CCTV CAMERA		
SPAN WIRE		
UTILITY POLE		
VIDEO DETECTION (FISH EYE)		
VIDEO DETECTION ZONE		

GENERAL SIGNAL NOTES

1. ALL SIGNAL EQUIPMENT REMOVED FROM A PROJECT IS TO BE RETURNED TO DELDOT TRAFFIC - DOVER, DELAWARE.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY, AND/OR THE APPROPRIATE UTILITY PRIOR TO THE BEGINNING OF CONSTRUCTION FOR THE UTILITY MARKOUTS. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC IMMEDIATELY BEFORE CONSTRUCTION.

PREPARED BY
CENTURY
ENGINEERING
A Kleinfelder Company



THIS SEAL APPLIES TO ALL SHEETS BEARING THE "CEN" SECTION DESIGNATION. DATE 02/11/2026

CONCURRENCE FOR INSTALLATION

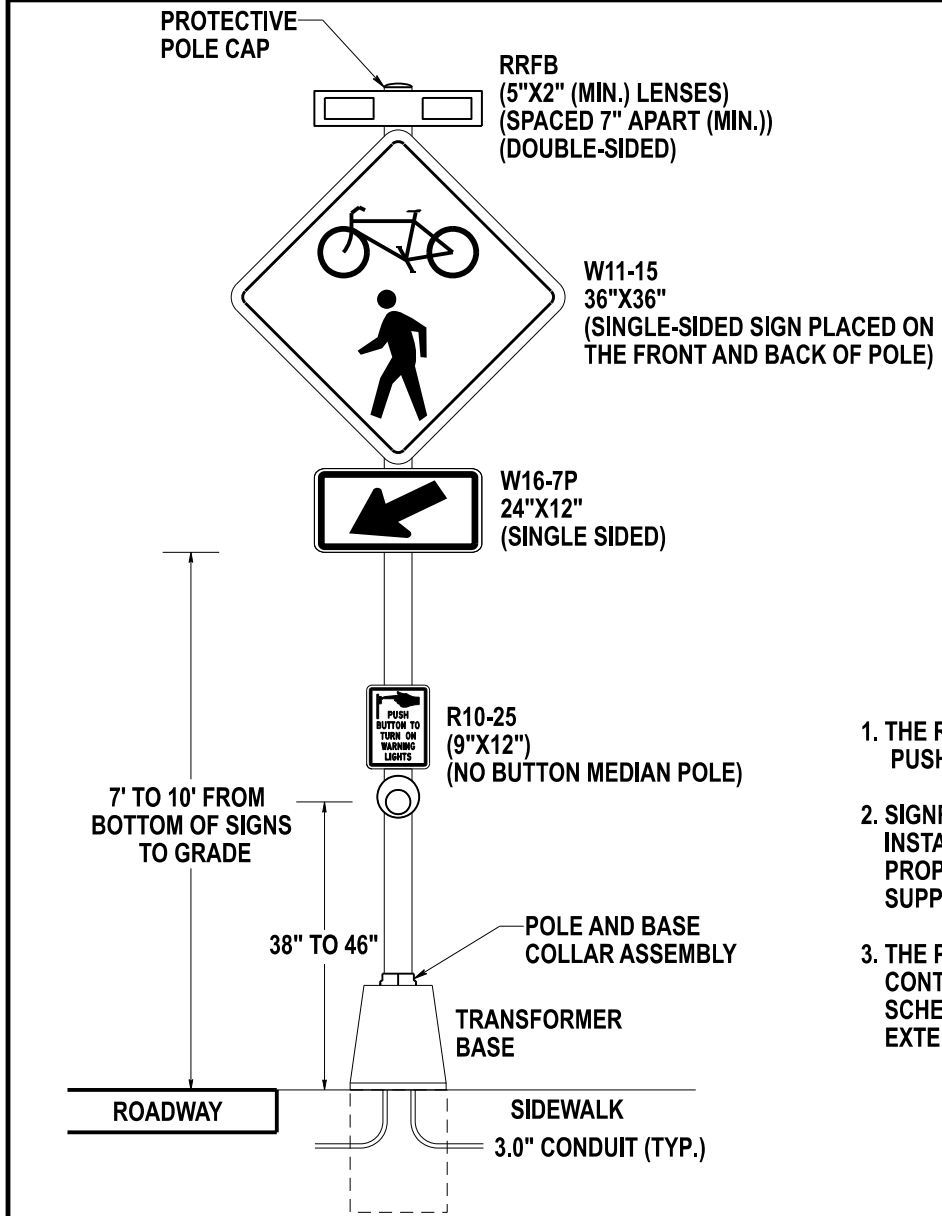
CHIEF OF TRAFFIC ENGINEERING DATE 2/12/2026

CONDUIT RUN SCHEDULE					
CO NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
1A	1	2.0" -RGS	105' /30'	T/OS	NEW [(3) 1/#6 THHN - LINE SIDE]
1B	1	2.0" -RGS	5'	T	NEW [(3) 1/#6 THHN - LINE SIDE]
2	1	2.0" -RGS	5'	T	NEW [(2) 9/#14 (1)#6 GRND]
3	1	3.0" -PVC	15'	T	NEW [(1) 9/#14 (1)#6 GRND]
4	1	4.0" -HDPE	65'	B	NEW [(1) 9/#14 (1)#6 GRND]
5	1	3.0" -PVC	18'	T	NEW [(1) 9/#14 (1)#6 GRND]
* DENOTES EXISTING CONDUIT RUN. TYPES: HDPE, PVC, RGS INSTALL METHODS: B=BORE, IB=IN BARRIER, OC=OPEN CUT, OS=ON STRUCTURE, T=TRENCH					

POLE SCHEDULE			
POLE #	POLE TYPE	HEIGHT	MATERIAL
1	PEDESTAL	14'	ALUMINUM
2	PEDESTAL	14'	ALUMINUM

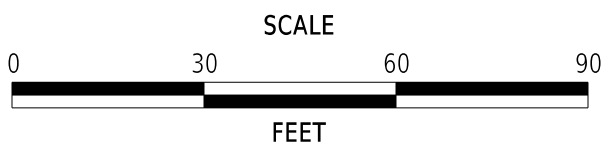
* TO BE REMOVED
X-DENOTES EXISTING

RRFB ASSEMBLY



1. THE RRFB SHALL OPERATE PUSHBUTTON-ACTIVATED
2. SIGNFIX (OR SIMILAR) SHALL BE INSTALLED ON THE BACK OF THE PROPOSED SIGNS FOR MOUNTING SUPPORT.
3. THE PEDESTAL POLE SHALL BE CONTINUOUS SPUN ALUMINUM, SCHEDULE 80. SPLICING POLE EXTENSIONS SHALL BE PROHIBITED.

ADDENDA / REVISIONS



DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

CONTRACT	PERMIT NO.	S486
T201769009	DESIGNED BY:	S. LENKIEWICZ
SUSSEX	CHECKED BY:	T. BAÑEZ

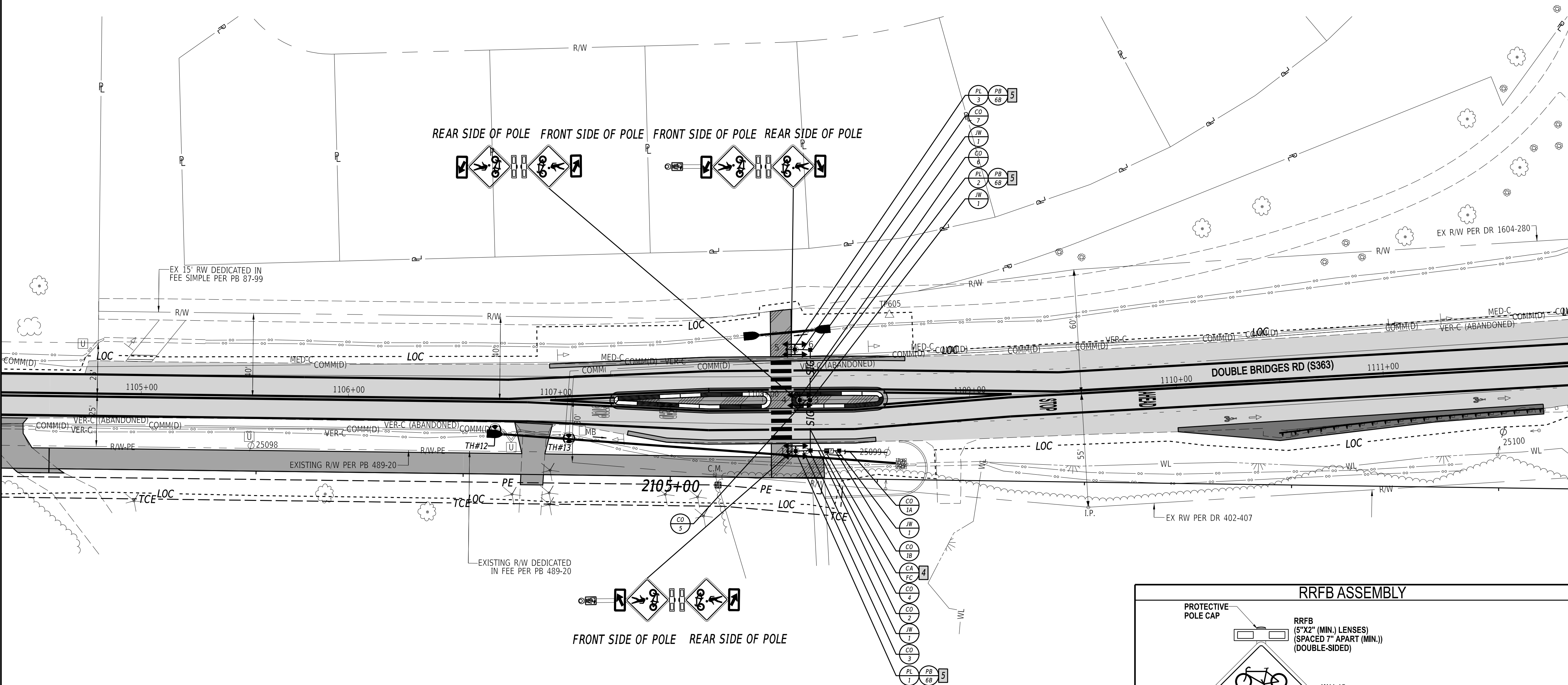
RRFB SIGNAL PLAN
DOUBLE BRIDGES ROAD
@ OCEANSIDE PARKWAY/
SANDERLING DRIVE

SECTION	CEN
SHEET NO.	58

ADDITIONAL SIGNAL NOTES

- 3 ALL GALVANIZED CONDUIT (RGS) SHALL BE REAMED AND THREADED. ALL RGS SHALL BE THREADED TOGETHER WITH APPROVED COUPLINGS. SET SCREW, BOLTED AND COMPRESSION FITTINGS ARE NOT ACCEPTABLE.
- 4 THE PROPOSED FLASHER CABINET SHALL BE INSTALLED ON THE PROPOSED METERED SERVICE PEDESTAL.
- 5 THE TRAFFIC CONTRACTOR SHALL INSTALL THE PROPOSED PEDESTRAIN PUSHBUTTONS IN ACCORDANCE WITH THE STANDARD CONSTRUCTION DETAIL T18-1 (2022) AT THE HEIGHT OF 38 TO 46 INCHES ABOVE THE ADJOINING SIDEWALK TO THE CENTER OF THE PUSHBUTTON.

TIBBETTS POINT WAY



CONDUIT RUN SCHEDULE

CO NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
1A	1	2.0"-RGS	25' /30'	T/OS	NEW [(3) 1/#6 THHN - LINE SIDE]
1B	1	2.0"-RGS	5'	T	NEW [(3) 1/#6 THHN - LINE SIDE]
2	1	3.0"-PVC	5'	T	NEW [(3) 9/#14 (1)#6 GRND]
3	1	3.0"-PVC	5'	T	NEW [(1) 9/#14 (1)#6 GRND]
4	1	4.0"-HDPE	25'	B	NEW [(2) 9/#14 (1)#6 GRND]
5	1	3.0"-PVC	5'	T	NEW [(1) 9/#14 (1)#6 GRND]
6	1	4.0"-HDPE	25'	B	NEW [(1) 9/#14 (1)#6 GRND]
7	1	3.0"-PVC	5'	T	NEW [(1) 9/#14 (1)#6 GRND]

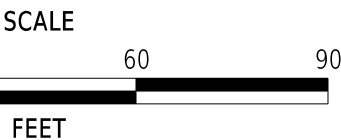
* DENOTES EXISTING CONDUIT RUN.
TYPES: HDPE, PVC, RGS
INSTALL METHODS: B=BORE, IB=IN BARRIER, OC=OPEN CUT, OS=ON STRUCTURE, T=TRENCH

POLE SCHEDULE

POLE #	POLE TYPE	HEIGHT	MATERIAL
1	PEDESTAL	14'	ALUMINUM
2	PEDESTAL	14'	ALUMINUM
3	PEDESTAL	14'	ALUMINUM

* TO BE REMOVED
X-DENOTES EXISTING

ADDENDA / REVISIONS



DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

CONTRACT

T201769009

COUNTY

SUSSEX

PERMIT NO.

S487

DESIGNED BY:

S. LENKIEWICZ

CHECKED BY:

T. BAÑEZ

RRFB SIGNAL PLAN
MID-BLOCK CROSSING
@DOUBLE BRIDGES ROAD

SECTION

CEN

SHEET NO.

59

SIGNAL PHASING

21-SECOND WARNING/ FLASHING TIME

SIGNAL HEAD DIAGRAM

1-6

ALTERNATELY FLASHING
(WW+S PATTERN)
YELLOW RRFB BEACONS

LEGEND

(AB)	ABANDON	(OH)	EXISTING OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
(CA)	EXISTING CABINET IDENTIFIER (TYPE OF CABINET)	(OH)	PROPOSED OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
(CA)	PROPOSED CABINET IDENTIFIER (TYPE OF CABINET)	(PB)	EXISTING POLE BASE IDENTIFIER (TYPE OF POLE BASE)
(CO)	EXISTING CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)	(PB)	PROPOSED POLE BASE IDENTIFIER (TYPE OF POLE BASE)
(CO)	PROPOSED CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)	(PL)	EXISTING POLE IDENTIFIER (# OF POLE)
(JW)	EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	(PL)	PROPOSED POLE IDENTIFIER (# OF POLE)
(JW)	PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	(RM)	REMOVE BY CONTRACTOR
(MA)	EXISTING MAST ARM IDENTIFIER (# OF ARM)	(RM)	REMOVE BY OTHERS
(MA)	PROPOSED MAST ARM IDENTIFIER (# OF ARM)	(RM)	REMOVE BY TRAFFIC CONTRACTOR

EXISTING SYMBOL

PROPOSED SYMBOL

JUNCTION WELL	J.W.	
LOOP DETECTOR, TYPE 1		
LOOP DETECTOR, TYPE 2		
LUMINAIRE		
MAST ARM		
MICROWAVE DETECTION		
OPTICOM RECEIVER		
OVERHEAD SIGNING		
PEDESTRIAN POLE/BASE		
PEDESTRIAN PUSHBUTTON		
PEDESTRIAN SIGNAL HEAD		
RIGHT-OF-WAY		R/W
SERVICE PEDESTAL		
SIGNAL CABINET		
SIGNAL HEAD		
SIGNAL POLE/BASE		
CCTV CAMERA		
SPAN WIRE		
UTILITY POLE		
VIDEO DETECTION (FISH EYE)		
VIDEO DETECTION ZONE		

GENERAL SIGNAL NOTES

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PREPARED BY

CENTURY
ENGINEERING
A Kleinfelder Company



[Signature]

02/11/2026

THIS SEAL APPLIES TO ALL SHEETS
BEARING THE "CEN" SECTION DESIGNATION.

SEAL

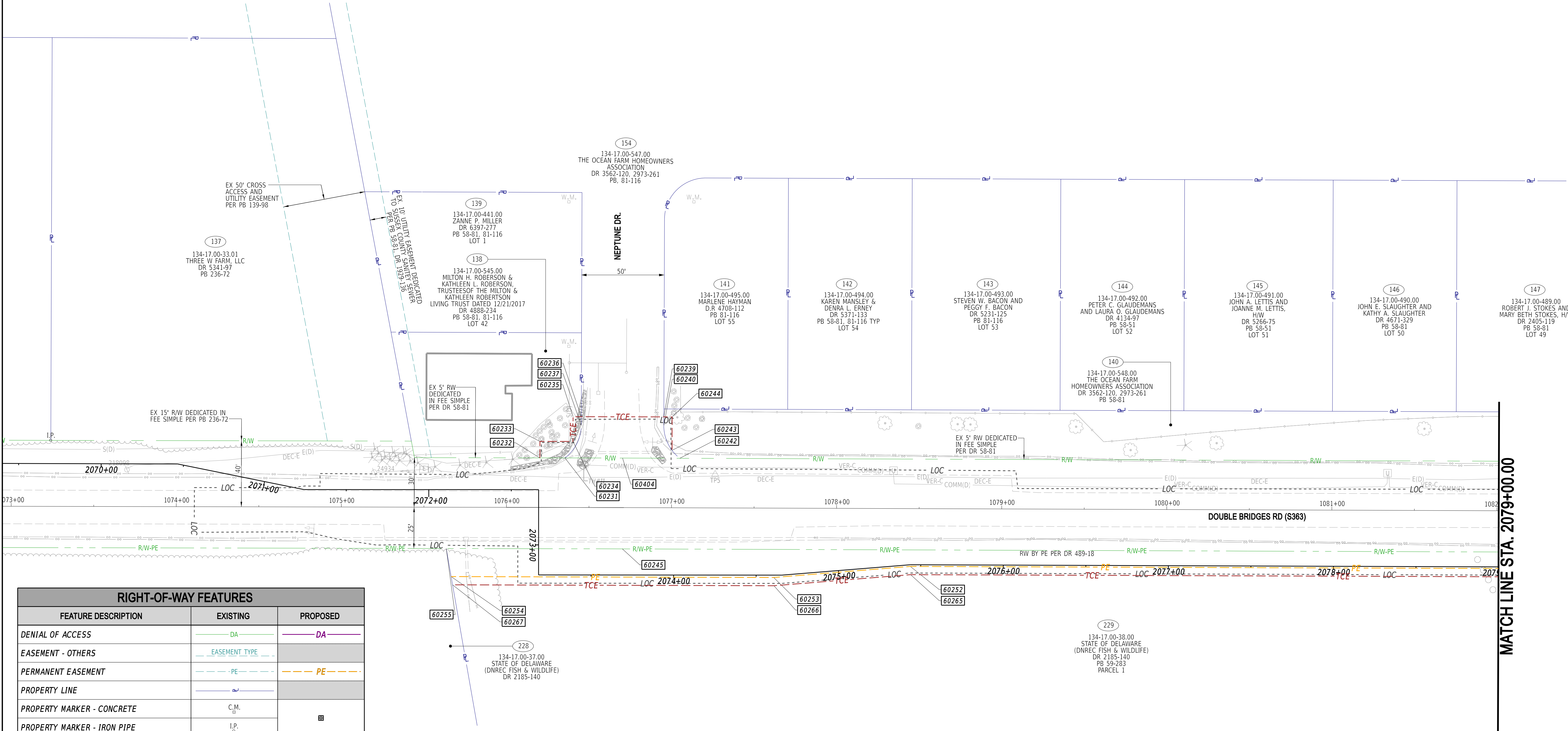
CONCURRENCE FOR INSTALLATION

[Signature]

CHIEF OF TRAFFIC ENGINEERING

2/12/2026

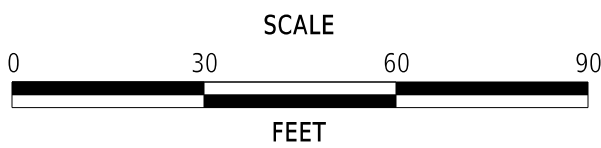
DATE



MATCH LINE STA. 2079+00.00

RIGHT-OF-WAY FEATURES		
FEATURE DESCRIPTION	EXISTING	PROPOSED
DENIAL OF ACCESS	DA	DA
EASEMENT - OTHERS	EASEMENT TYPE	
PERMANENT EASEMENT	PE	PE
PROPERTY LINE		
PROPERTY MARKER - CONCRETE	C.M.	
PROPERTY MARKER - IRON PIPE	I.P.	
RIGHT-OF-WAY BASELINE	100+00	
RIGHT-OF-WAY LINE	R/W	R/W
RIGHT-OF-WAY BY PE	R/W-PE	
RIGHT-OF-WAY & DENIAL OF ACCESS	R/W-DA	R/W-DA
RIGHT-TO-ENTER		RTE
TEMPORARY CONSTRUCTION EASEMENT		TCE

ADDENDA / REVISIONS



DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

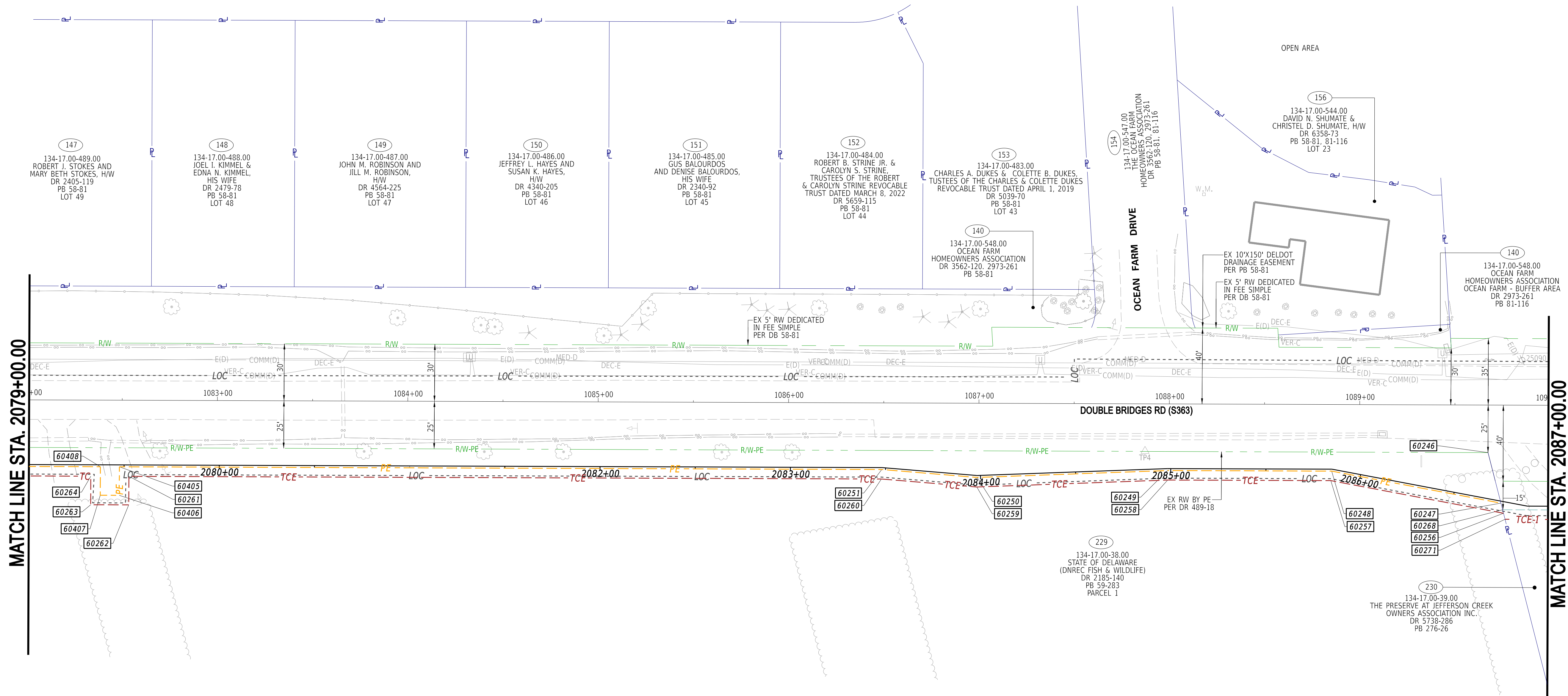
CONTRACT	BRIDGE NO.	N/A	SECTION
T201769009	DESIGNED BY:	T. BANEZ	CEN
COUNTY	CHECKED BY:	J. HERMES	SHEET NO.
SUSSEX			59

RECOMMENDED AS TO PROCESS

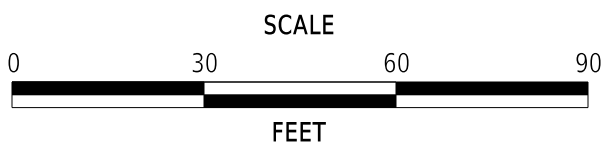
Shehnaz Chaudhri
GROUP ENGINEER, ROW ENGINEERING

12/30/2025
DATE

RIGHT-OF-WAY PLAN



ADDENDA / REVISIONS

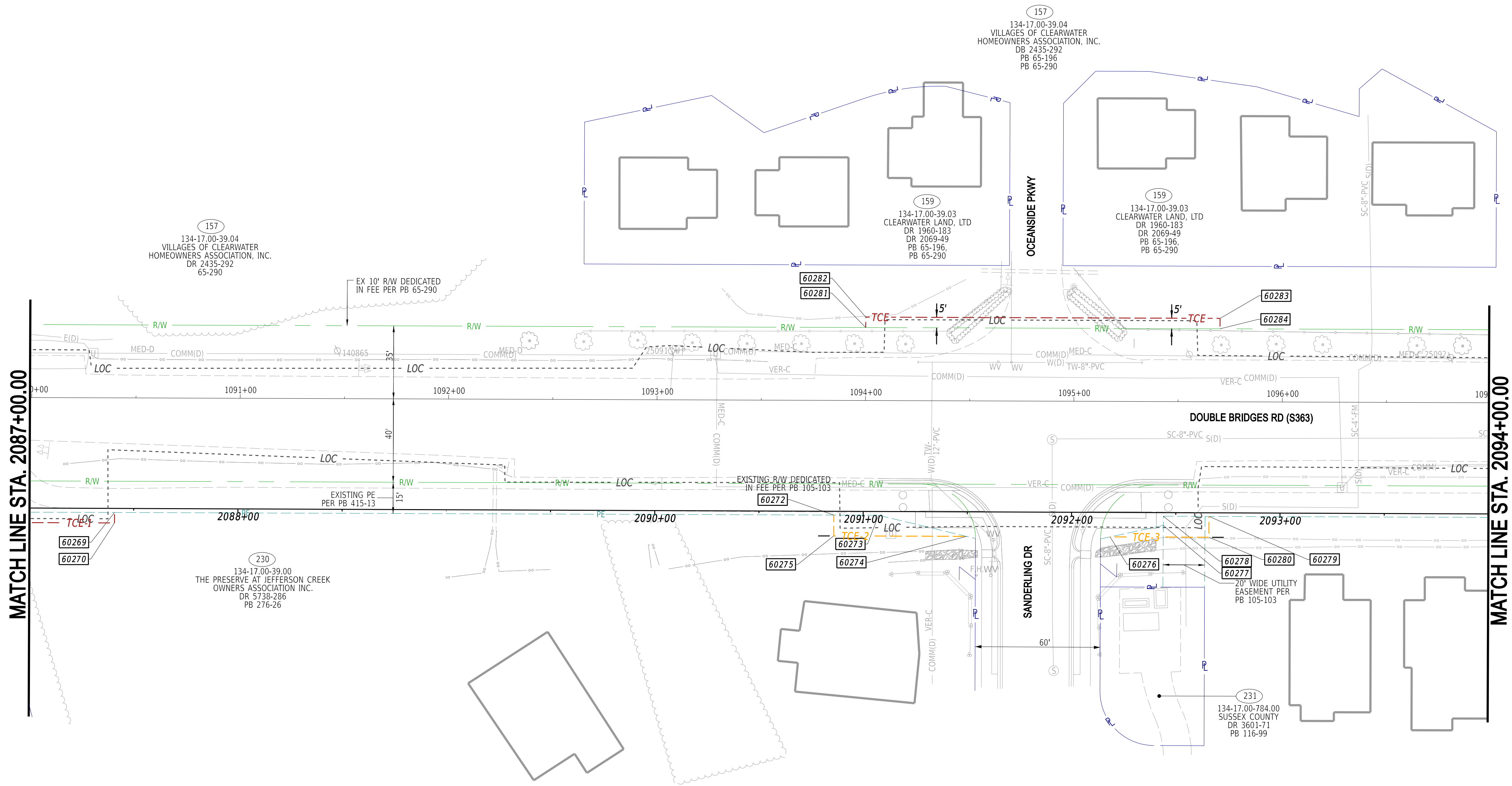
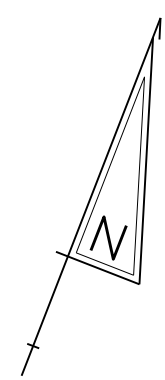


DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE

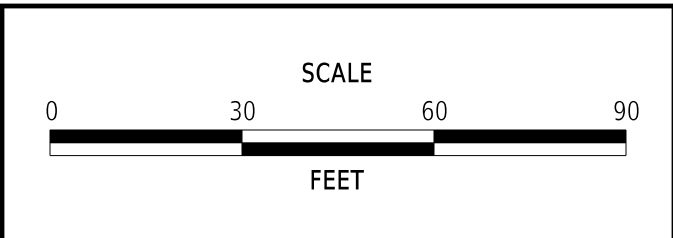
CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

RIGHT-OF-WAY PLAN

SECTION
CEN
SHEET NO.
61



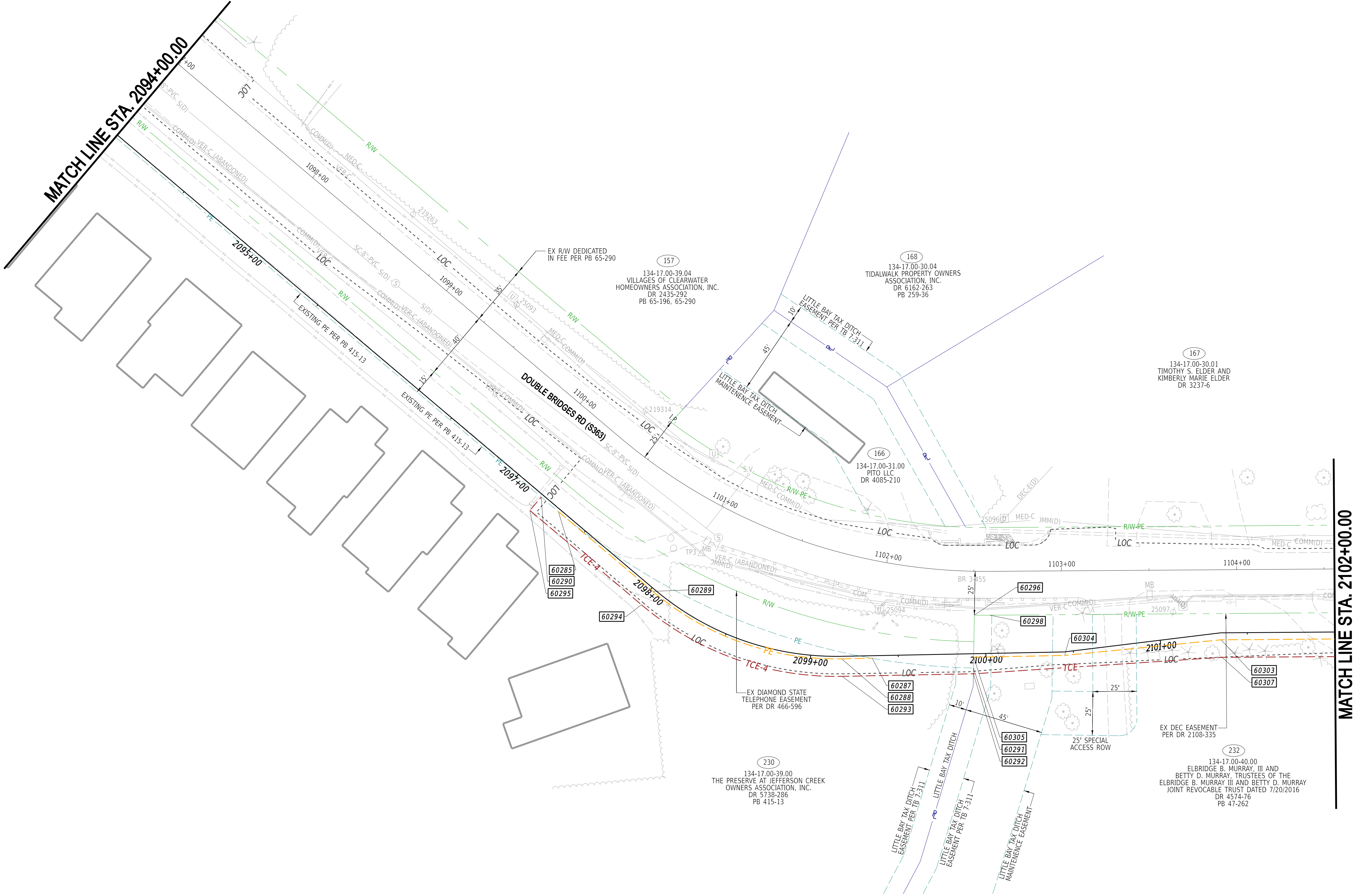
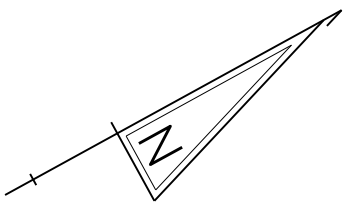
ADDENDA / REVISIONS	



**DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE**

CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

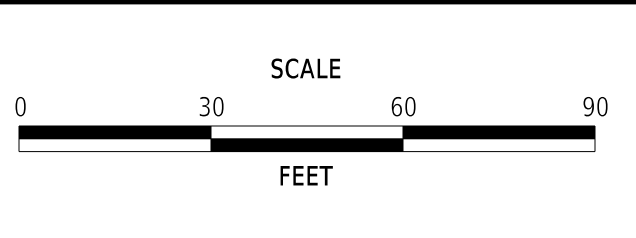
RIGHT-OF-WAY PLAN	
SECTION	CEN
SHEET NO.	62



1-JUL-2026
15:31
L:\Delaware Department of Transportation\2023\417.011A-T11 - T201769009 Double Br\Working\55002.24 (Task 24, Double Bridges)\CADD FILES\Sheets\RW\w_04_Db.dgn



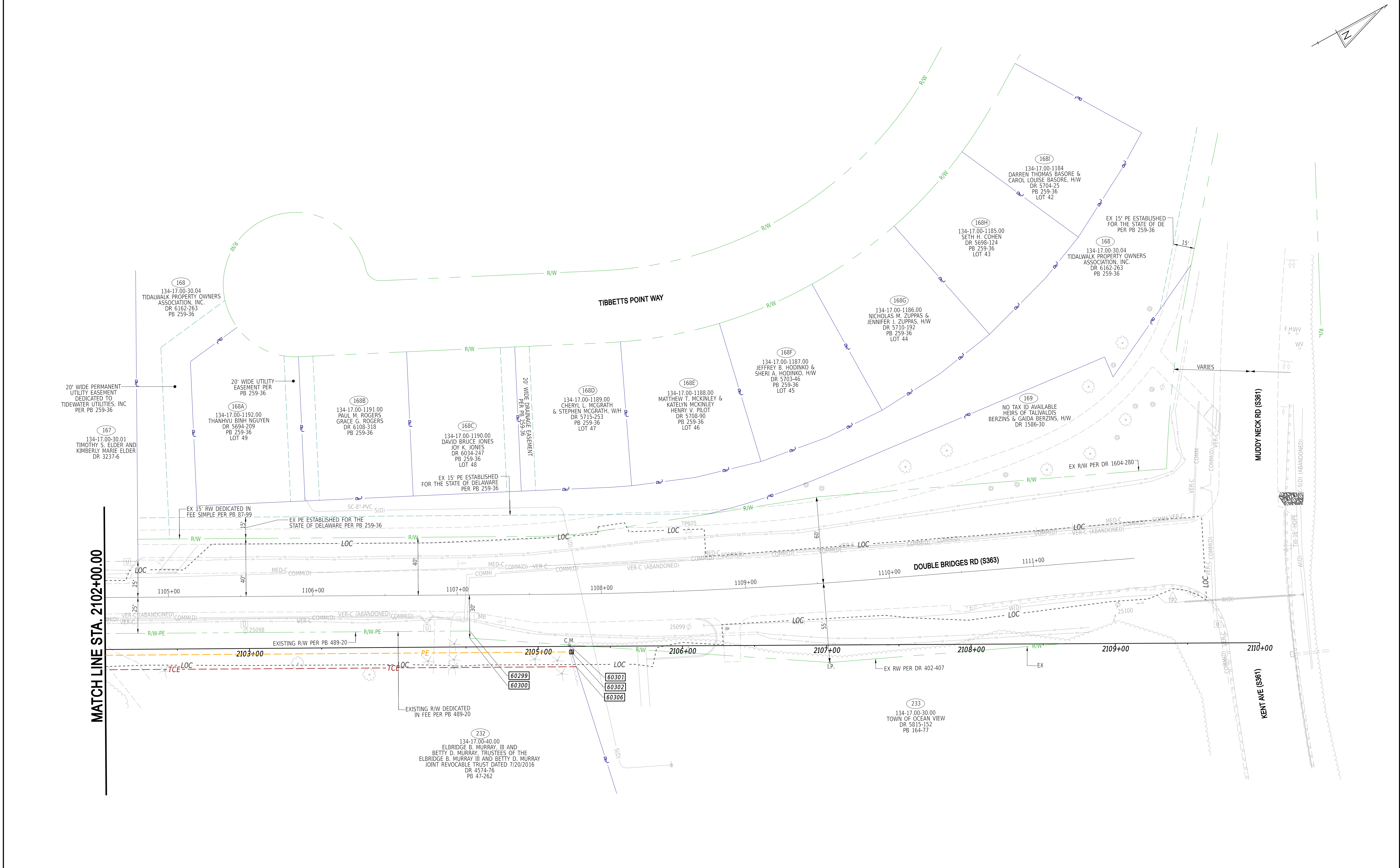
ADDENDA / REVISIONS	



**DOUBLE BRIDGES ROAD PATHWAY,
MUDDY NECK TO NEPTUNE DRIVE**

CONTRACT	BRIDGE NO.	N/A
T201769009	DESIGNED BY:	T. BANEZ
COUNTY	CHECKED BY:	J. HERMES
SUSSEX		

RIGHT-OF-WAY PLAN	
SECTION	CEN
SHEET NO.	63



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	DOUBLE BRIDGES ROAD PATHWAY, MUDDY NECK TO NEPTUNE DRIVE	CONTRACT	BRIDGE NO.	N/A	RIGHT-OF-WAY PLAN	SECTION
				T201769009	DESIGNED BY:	T. BANEZ		CEN
				COUNTY	CHECKED BY:	J. HERMES		SHEET NO.
				SUSSEX				64

ASSESSMENT NUMBER		OWNERSHIP OF RECORD						TYPE OF ACQUISITION	TITLE SOURCE	PARCEL AREA (ACRES)	PAGE NUMBER
134-17.00-545.00		(138) MILTON H. ROBERSON AND KATHLEEN L. ROBERSON, TRUSTEES OF THE MILTON AND KATHLEEN ROBERSON LIVING TRUST DATE 12/21/2017						TCE	DR 4888-234	D - 0.187	60
PT. NO.	ALIGN. NO.	STATION	OFFSET*	NORTH	EAST	BEARING	DISTANCE	CHORD BEARING	CHORD LENGTH	ARC LENGTH	RADIUS**
60231	Ex_BL_RW1	1078+35.34	-30.000	108745.2815	752387.0343	S 68°53'31" W	15.158				
60232	Ex_BL_RW1	1078+20.18	-30.000	188739.6225	752372.8032	N 21°01'52" W	10.000				
60233	Ex_BL_RW1	1078+20.20	-40.000	188749.1564	752388.3043	N 68°53'31" E	20.041				
60234	Ex_BL_RW1	1078+40.24	-40.000	188756.3736	752388.0002	N 21°06'29" W	15.000				
60235	Ex_BL_RW1	1078+40.24	-55.000	188770.3671	752382.5983	N 68°53'31" E	4.979				
60236	Ex_BL_RW1	1078+45.22	-55.000	188772.1603	752387.2435	S 21°01'55" E	5.133				
60237	Ex_BL_RW1	1078+45.21	-49.867	188767.3696	752389.0856			S 51°8'21" W	22.183	22.984	25.000
60231	Ex_BL_RW1	1078+35.34	-30.000	188745.2815	752387.0343						
FIGURE 1381 AREA = 265.57 SQ. FT. (0.006 ACRES).											
DEED RECORD OF ACQUISITION:											
ASSESSMENT NUMBER		OWNERSHIP OF RECORD						TYPE OF ACQUISITION	TITLE SOURCE	PARCEL AREA (ACRES)	PAGE NUMBER
134-17.00-548.00		(140) THE OCEAN FARM HOMEOWNERS ASSOCIATION						TCE	DR 3562-120	D - 0.753	60
PT. NO.	ALIGN. NO.	STATION	OFFSET*	NORTH	EAST	BEARING	DISTANCE	CHORD BEARING	CHORD LENGTH	ARC LENGTH	RADIUS**
60243	Ex_BL_RW1	1077+00.19	-34.775	188773.0659	752445.8719			N 39°33'27" W	15.886	16.167	25.000
60240	Ex_BL_RW1	1076+95.14	-49.837	188765.3141	752435.7546	N 21°01'55" W	5.199				
60239	Ex_BL_RW1	1076+95.14	-55.036	188790.1667	752433.8887	N 68°53'31" E	5.021				
60244	Ex_BL_RW1	1077+00.16	-55.044	188791.9748	752438.5725	S 21°06'29" E	20.269				
60243	Ex_BL_RW1	1077+00.19	-34.775	188773.0659	752445.8719						
FIGURE 1401 AREA = 77.80 SQ. FT. (0.002 ACRES).											
DEED RECORD OF ACQUISITION:											
ASSESSMENT NUMBER		OWNERSHIP OF RECORD						TYPE OF ACQUISITION	TITLE SOURCE	PARCEL AREA (ACRES)	PAGE NUMBER
134-17.00-547.00		(154) THE OCEAN FARM HOMEOWNERS ASSOCIATION						TCE	DR 3562-120	D - 7.000	60
PT. NO.	ALIGN. NO.	STATION	OFFSET*	NORTH	EAST	BEARING	DISTANCE	CHORD BEARING	CHORD LENGTH	ARC LENGTH	RADIUS**
60231	Ex_BL_RW1	1076+35.34	-30.000	188745.2815	752387.0343			N 5°18'21" E	22.183	22.984	- 25.000
60237	Ex_BL_RW1	1076+45.21	-49.867	188767.3696	752389.0856	N 21°01'55" W	5.133				
60236	Ex_BL_RW1	1076+45.22	-55.000	188772.1603	752387.2435	N 68°53'31" E	5.000				
60239	Ex_BL_RW1	1076+95.14	-55.036	188790.1667	752433.8887	S 21°01'55" E	5.199				
60240	Ex_BL_RW1	1076+95.14	-49.837	188765.3141	752435.7546			S 47°17'28" E	22.121	22.915	- 25.000
60242	Ex_BL_RW1	1077+04.83	-30.000	188770.3096	752402.0096	S 68°50'31" W	34.727				
60404	Ex_BL_RW1	1076+70.25	-30.000	188757.8508	752419.5949	S 68°53'31" W	34.902				
60231	Ex_BL_RW1	1076+35.34	-30.000	188745.2815	752387.0343						
FIGURE 1541 AREA = 1368.04 SQ. FT. (0.031 ACRES).											
DEED RECORD OF ACQUISITION:											
ASSESSMENT NUMBER		OWNERSHIP OF RECORD						TYPE OF ACQUISITION	TITLE SOURCE	PARCEL AREA (ACRES)	PAGE NUMBER
134-17.00-39.04		(157) VILLAGES OF CLEARWATER HOMEOWNERS ASSOCIATION, INC.						TCE	DR 2435-292	D - 35.530	61
PT. NO.	ALIGN. NO.	STATION	OFFSET*	NORTH	EAST	BEARING	DISTANCE	CHORD BEARING	CHORD LENGTH	ARC LENGTH	RADIUS**
60281	Ex_BL_RW1	1094+00.00	-35.000	189383.1160	754032.4403	N 21°01'29" W	5.000				
60282	Ex_BL_RW1	1094+00.00	-40.000	189387.7831	754030.6465	N 68°58'31" E	170.000				
60283	Ex_BL_RW1	1095+70.00	-40.000	189448.7738	754189.3290	S 21°01'29" E	5.000				
60284	Ex_BL_RW1	1095+70.00	-35.000	189444.1067	754191.1228	S 68°58'31" W	170.000				
60281	Ex_BL_RW1	1094+00.00	-35.000	189383.1160	754032.4403						
FIGURE 1571 AREA = 850.00 SQ. FT. (0.020 ACRES).											
DEED RECORD OF ACQUISITION:											
ASSESSMENT NUMBER		OWNERSHIP OF RECORD						TYPE OF ACQUISITION	TITLE SOURCE	PARCEL AREA (ACRES)	PAGE NUMBER
134-17.00-38.00		(229) THE STATE OF DELAWARE (DNREC FISH & WILDLIFE)						PE	DR 2185-140	D - 85.100	60
PT. NO.	ALIGN. NO.	STATION	OFFSET*	NORTH	EAST	BEARING	DISTANCE	CHORD BEARING	CHORD LENGTH	ARC LENGTH	RADIUS**
60255	Ex_BL_RW1	1075+63.58	25.000	188668.1272	752339.8915	N 68°53'31" E	106.668				
60245	Ex_BL_RW1	1076+70.25	25.000	188706.5411	752439.4019	N 68°58'31" E	1297.193				
60246	Ex_BL_RW1	1089+67.47	25.000	189171.9338	753650.2361	S 35°33'53" E	27.359				
60247	Ex_BL_RW1	1089+74.34	51.483	189149.6782	753666.1487	S 79°28'23" W	90.468				
60248	Ex_BL_RW1	1088+85.39	35.000	189133.1501	753577.2038	S 68°58'31" W	86.223				
60249	Ex_BL_RW1	1087+99.17	35.000	189102.2158	753496.7206	S 66°41'05" W	100.120				
60250	Ex_BL_RW1	1086+99.13	39.002	189062.5894	753404.7763	S 73°32'57" W	50.180				
60251	Ex_BL_RW1	1086+49.11	35.000	189048.3789	753356.6507	S 68°58'31" W	400.479				
60405	Ex_BL_RW1	1082+48.63	35.000	188904.6996	752982.8334	S 21°01'29" E	15.000				
60406	Ex_BL_RW1	1082+48.63	50.000	188890.6982	752988.2149	S 68°58'31" W	10.000				
60407	Ex_BL_RW1	1082+38.63	50.000	188887.1106	752978.8807	N 21°01'29" W	15.000				
60408	Ex_BL_RW1	1082+38.63	35.000	188901.1120	752973.4992	S 68°58'31" W	393.872				
60252	Ex_BL_RW1	1078+44.76	35.000	188759.8030	752605.8490	S 64°08'26" W	83.051				
60253	Ex_BL_RW1	1077+62.00	42.000	188723.5791	752531.1146	S 68°55'52" W	195.355				
60254	Ex_BL_RW1	1075+66.59	42.000	188653.3508	752348.8190	N 31°08'21" W	17.264				
60255	Ex_BL_RW1	1075+63.58	25.000	188668.1272	752339.8915						
FIGURE 2291 AREA = 16859.19 SQ. FT. (0.387 ACRES).											
DEED RECORD OF ACQUISITION:											
ASSESSMENT NUMBER		OWNERSHIP OF RECORD						TYPE OF ACQUISITION	TITLE SOURCE	PARCEL AREA (ACRES)	PAGE NUMBER
134-17.00-38.00		(229) THE STATE OF DELAWARE (DNREC FISH & WILDLIFE)						TCE	DR 2185-140	D - 85.100	60
PT. NO.	ALIGN. NO.	STATION	OFFSET*	NORTH	EAST	BEARING	DISTANCE	CHORD BEARING	CHORD LENGTH	ARC LENGTH	RADIUS**
60254	Ex_BL_RW1	1075+66.59	42.000	188653.3508	752348.8190	N 68°55'52" E	195.355				
60253	Ex_BL_RW1	1077+62.00	42.000	188723.5791	752531.1146	N 64°08'26" E	83.051				
60252	Ex_BL_RW1	1078+44.76	35.000	188759.8030	752605.8490	N 68°58'31" E	393.872				
60408	Ex_BL_RW1	1082+38.63	35.000	188901.1120	752973.4992	S 21°01'29" E	15.000				
60407	Ex_BL_RW1	1082+38.63	50.000	188887.1106	752978.8807	N 68°58'31" E	10.000				
60406	Ex_BL_RW1	1082+48.63	50.000	188890.6982	752988.2149	N 21°01'29" W	15.000				
60405	Ex_BL_RW1	1082+48.63	35.000	188904.6996	752982.8334	N 68°58'31" E	400.479				
60251	Ex_BL_RW1	1086+49.11	35.000	189048.3789	753356.6507	N 73°32'57" E	50.180				
60250	Ex_BL_RW1	1086+99.13	39.002	189062.5894	753404.7763	N 66°41'05" E	100.120				
60249	Ex_BL_RW1	1087+99.17	35.000	189102.2158	753496.7206	N 68°58'31" E	86.223				
60248	Ex_BL_RW1	1088+85.39	35.000	189133.1501	753577.2038	N 79°28'23" E	90.468				
60247	Ex_BL_RW1	1089+74.34	51.483	189149.6782	753666.1487	S 35°33'53" E	5.519				
60256	Ex_BL_RW1	1089+75.73	56.825	189145.1890	753669.3584	S 79°28'23" W	92.344				
60257	Ex_BL_RW1	1088+84.83	40.000	189128.3181	753578.5688	S 68°58'31" W	85.664				
60258	Ex_BL_RW1	1087+99.27	40.000	189097.5845	753496.6077	S 66°41'05" W	100.320				
60259	Ex_BL_RW1	1086+99.03	44.010	189057.8790	753406.4799	S 73°32'57" W	50.280				
60260	Ex_BL_RW1	1086+48.91	40.000	189043.6402	753358.2581	S 68°58'31" W	395.279				
60261	Ex_BL_RW1	1082+53.63	40.000	188891.8264	752989.2944	S 21°01'29" E	15.000				
60262	Ex_BL_RW1	1082+53.63	55.000	188887.8250	752994.6759	S 68°58'31" W	20.000				
60263	Ex_BL_RW1	1082+33.63	55.000	188880.6496	752976.0074	N 21°01'29" W	15.000				
60264	Ex_BL_RW1	1082+33.63	40.000	188894.6510	752970.6259	S 68°58'31" W	388.661				
60265	Ex_BL_RW1	1078+44.97	40.000	188755.2116	752607.8399	S 64°08'26" W	83.051				
60266	Ex_BL_RW1	1077+62.21	47.000	188718.9877	752533.1055	S 68°55'53" W	194.675				
60267	Ex_BL_RW1	1075+67.47	47.000	188649.0048	752351.4447	N 31°08'21" W	5.078				
60254	Ex_BL_RW1	1075+66.59	42.000	188653.3508	752348.8190						
FIGURE 2292 AREA = 7200.00 SQ. FT. (0.165 ACRES).											
DEED RECORD OF ACQUISITION:											

ASSESSMENT NUMBER</
